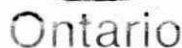


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ST. CLAIR -
DETROIT RIVER AREA

December, 1985

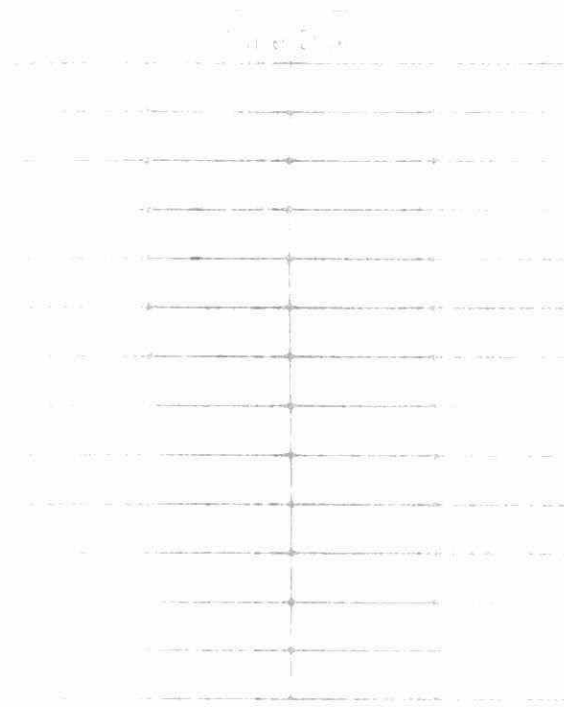
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Ministry
of the
Environment

The Honourable
Jim Bradley
Minister

Rod McLeod, Q.C.
Deputy Minister



TD
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S34
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1985

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DRINKING WATER SURVEY
ST. CLAIR - DETROIT RIVER AREA

December, 1985

ONTARIO MINISTRY OF THE ENVIRONMENT



news release / communiqué

Ministry
of the
Environment

Ministère
de
l'Environnement

December 12, 1985

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ENVIRONMENT MINISTER RELEASES
LATEST ST. CLAIR WATER TESTING DATA

Environment Ontario water testing reveals that St. Clair River drinking water supplies meet all health-related standards, according to a report released today by Environment Minister Jim Bradley.

Drinking Water Survey, St. Clair-Detroit River Area provides the latest results of three water testing programs carried out since problems came to light on the St. Clair River.

Early this summer, Environment Ontario's comprehensive Drinking Water Surveillance Program was already in place at seven St. Clair River area water treatment plants, routinely testing for 109 possible contaminants, including pesticides, chemicals and 64 organic compounds.

The frequency of the testing was increased following the discovery of dioxin in the River near the Dow plant.

The resulting scientific data indicate that drinking water from these supplies meets all health-related standards, including Ontario Drinking Water Objectives and guidelines set by the World Health Organization, the U.S. Environmental Protection Agency, and Health and Welfare Canada.

In addition, a special water survey was initiated as a direct result of the August, 1985, Dow Chemical spill. Eight St. Clair River area water treatment plants were monitored for perchloroethylene on a daily basis from the end of August until the end of September.

During this monitoring, the highest level of perchloroethylene detected in treated drinking water was four parts per billion (ppb). The World Health Organization's guideline for perchloroethylene in treated drinking water is 10 ppb.

Perchloroethylene monitoring was re-instituted on a twice-daily basis at water treatment plant intakes for Walpole Island and Wallaceburg on November 14, 1985, when the cleanup of the perchloroethylene and chemical-laden sediment from the riverbed was initiated. To date, no level has been detected in any sample.

Monitoring indicates that perchloroethylene levels have steadily decreased since the spill, and are now below the detection level of 1 ppb.

Last summer, following a report that oily material at the bottom of the St. Clair River contained dioxins, Environment Ontario initiated dioxin testing at four St. Clair area water treatment plants, including Sarnia (Lambton), Wallaceburg, Windsor and Amherstburg.

No dioxins or furans in any form were detected in any treated water samples.

On November 6, 1985, this dioxin sampling program was expanded to include weekly sampling at seven St. Clair area water treatment plants, including Sarnia, Walpole Island, Wallaceburg, Amherstburg, Windsor, Mitchell's Bay and Stoney Point. To date, no further dioxins have been detected in any water samples.

Mr. Bradley tabled the 105-page report detailing 8,820 tests of 1,342 water samples, and pledged to continue to provide the public with timely, complete information.

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1. BACKGROUND

The Ontario Ministry of the Environment is committed to providing the best possible quality of drinking water to the residents of Ontario. Despite numerous environmental problems which remain to be solved, it is well established, ^{considering} by the range and sophistication of regular testing, that the quality of drinking water provided by Ontario's water treatment systems is high. The water testing programs to date have confirmed that the conventional water treatment methods in place throughout the province are generally effective in removing a large number of contaminants of concern.

Nevertheless, there has been growing public concern over the possibility of contaminants reaching our principal water sources -- the Great Lakes and the rivers that connect them. The Ministry responded by establishing a comprehensive drinking water program, the Drinking Water Surveillance Program (DWSP), in mid-1985.

The program provides for comprehensive testing of 109 compounds, including pesticides, organic and inorganic substances, at selected drinking water supplies for both raw and treated water. In addition to this comprehensive program, special surveys are occasionally required to respond to local concerns arising from specific environmental upsets caused by industrial or agricultural activities. For example, thirty pesticides will be added to selected locations on a seasonal basis, bringing the total number of parameters to 139.

In the case of the St. Clair River, the occurrence of a major industrial spill of perchloroethylene (also referred to as tetrachloroethylene), and the resultant information that parts of the river bottom may contain traces of dioxin, led to the Ministry organizing two other programs: the Perchloroethylene Drinking Water Program and the Dioxin Drinking Water Program.

The perchloroethylene program was initiated as a direct result of the August 1985 Dow Chemical spill. Several St. Clair River area water treatment plants were monitored on a daily basis from the end of August until the end of September.

The dioxin program was initiated as a result of concern over the presence of dioxins in the oily material at the bottom of the St. Clair River. This material contains varying levels of some of the less toxic forms of dioxin, at levels ranging from 1 part per billion (ppb) to about 200 ppb. The addition of the dioxin scan brings the number parameters monitored in this ^{of} report _{study} to 120.

2. SUMMARY OF RESULTS

- 1) The treatment plants in Sarnia, Wallaceburg, Walpole Island, Windsor and Amherstburg are being monitored at a rate which exceeds that for any other municipalities in Canada, and for a wider selection of compounds (at least 120) and at a lower detection limit than in any known water surveys (down to parts per quadrillion for dioxins).
- 2) The scientific data for these parameters indicate that drinking water from these supplies meets all health-related drinking water objectives, whether these are Ontario Drinking Water Objectives or guidelines set by World Health Organization (WHO), U.S. Environmental Protection Agency (USEPA), or Health and Welfare Canada (H&W Canada). The setting of these guidelines is based on the assumption that the water will be consumed for a lifetime.
- 3) The levels of trace metals and inorganic ions found are consistent with those found in treated water supplies throughout the province. For treated water, no metals or inorganics were found at levels ~~even~~ approaching the guidelines or objectives of Ontario, USEPA, WHO, H&W Canada, or New York State.
- 4) Most organic compounds looked for were not detected. This is consistent with historic data bases for water supplies in Southern Ontario.
- 5) Of the organic compounds looked for in this survey, none were found at levels approaching the drinking water objectives of Ontario, USEPA, WHO or other jurisdictions, in treated water. For those not covered in Ontario's DWO^ss, only fifteen were ~~even~~ detected ^{at these} most on an occasional basis, at the detection limit of 1 part per trillion (ppt).
- 6) Eight of these were found at levels which indicated their definite presence, at least on one occasion at one or more locations:
 - 1,2,3,5-tetrachlorobenzene
 - 1,2,4,5-tetrachlorobenzene
 - pentachlorobenzene
 - hexachlorobenzene
 - carbon tetrachloride
 - benzene
 - tetrachloroethylene
 - hexachlorobutadiene

X
Testing suggested the possible presence of seven other organic compounds, but at levels not high enough to statistically validate their actual presence.

These seven compounds are:

- 1,3,5-trichlorobenzene
- 1,2,4-trichlorobenzene
- 2,3,6-trichlorotoluene *2,4,5-trichlorotoluene*
- 2,6,a-trichlorotoluene
- hexachloroethane
- tetrachlorodibenzodioxin } *To **
- octachlorodibenzodioxin }

- 7) *?* These compounds all have objectives set by WHO, USEPA and other jurisdictions, except for 2,6,a-trichlorotoluene, 2,3,6-trichlorotoluene, and 1,2,3,5-tetrachlorobenzene. Objectives have been set for compounds extremely similar to them, and it is assumed that the same value would pertain. For example, 2,3,6-trichlorotoluene was detected at 14 ppt, on one occasion, in raw water at Walpole Island. Although there is no objective for this compound, there is one for 2,4,5-trichlorotoluene; the limit is 10,000 ppt, suggested by Health and Welfare Canada.
- 8) For the 15 organics detected, most were found at levels many orders of magnitude lower than the guidelines. For example, pentachlorobenzene has been detected at several locations on different dates. The values detected ranged from 2 ppt to 10 ppt. The USEPA ambient guideline for this compound is set at 74,000 ppt.
- 9) No dioxins or furans, in any form, were detected in any treated drinking water samples. No 2,3,7,8-TCDD (tetrachlorodibenzodioxin) was detected in any raw or treated drinking water samples. Two of the less toxic forms of dioxin were detected in raw water on one occasion at Amherstburg and on two occasions at Windsor.
- 10) *?* There is some evidence that conventional water treatment will remove dioxins from raw water. No dioxins of any kind could be detected in any treated drinking water samples. Dioxins, if present, have a strong tendency to cling to particles in raw water, and they would be removed during the flocculation and filtration phases of the treatment process. This is supported by the data emerging from the regular dioxin monitoring of raw and treated drinking water from the drinking water treatment plants in this survey.
- 11) The scientific data being generated by this survey, which is unsurpassed in its coverage of chemicals, *also a variety of* frequency of monitoring and sensitivity of analysis, indicates that there are no chemicals at levels of concern in the treated drinking water, and that a very high quality of drinking water is being provided to the municipalities sampled.

2. RESULTS AND DISCUSSION

A. DWSP Data

A.1 Results

Raw and treated water samples from the drinking water plants at the following locations in the St. Clair River area were included on the Drinking Water Surveillance Program. They were sampled according to the following schedule:

Wallaceburg	- June 5, July 3, August 5, September 3, October 7, November 5, 15, 26
Mitchell's Bay	- June 18, July 23, August 26, September 23, October 28, November 25
Windsor	- July 15, August 16, September 16, October 21, November 20
Stoney Point	- June 5, July 2, August 6, September 3, October 8, November 5
Amherstburg	- May 23, August 26, September 23, October 28, November 19, 25
Walpole Island	- November 6, 15, 25
Sarnia	- November 15

The parameters analyzed for, and the results, are shown in the attached list, Table A.

A.2 Discussion

For those compounds with Ontario Drinking Water Objectives (ODWO), no substances occurred at concentrations greater than the objective.

The data reveals that for metals, inorganic ions, and bacterial parameters, raw water values are frequently in the detectable range and some levels are also found in treated water. The levels of metals, inorganic compounds, and bacteria are consistent with those found in water supplies in the province.

For the organic compounds, most are below detection levels, even though the most sophisticated equipment available was employed in the chemical analysis. Three chlorinated organic compounds

(trihalomethanes), which are formed during the drinking water treatment process, were detected. The levels found were well below ODWO for trihalomethanes, and are consistent with historic data for Great Lakes drinking water plants.

For all other organics, most were non-detected and the few that were occasionally detected were found at levels well below World Health Organization, U.S. Environmental Protection Agency, Health & Welfare Canada, or other agencies' guidelines.

B. Perchloroethylene Drinking Water Program

B.1. Results

The following water treatment plants immediately downstream from the August 1985 perchloroethylene spill were monitored, for both raw and treated samples: Stag Island, Walpole Island, Wallaceburg, Mitchell's Bay, Tilbury North, Belle River, Windsor, and Amherstburg. Results are shown in Table B.

B.2. Discussion

During this monitoring, the highest level of perchloroethylene detected in treated drinking water was 4 parts per billion (ppb). Up to 7 ppb was detected in raw water. The World Health Organization's guideline for perchloroethylene in treated drinking water is 10 ppb, based on a lifetime exposure.

For exposure over a shorter time frame, Suggested No Adverse Response Levels (SNARL) are used. For example, there is a 24-hour SNARL of 2300 ppb and a 10-day SNARL of 175 ppb for perchloroethylene. The derivation of these values is based on the premise that if exposure time is shorter than a lifetime (as would be the case in the event of an industrial spill), the level of chemical tolerated would be higher.

Monitoring throughout September 1985 indicated that perchloroethylene levels steadily decreased in the river ~~since the spill~~ *in the month following the spill*.

Twice daily screening by an analytical field unit for perchloroethylene was instituted on both raw and treated water at Walpole Island and Wallaceburg on November 14, 1985, when the clean-up of material from the riverbed was initiated. Marysville (Michigan) is being sampled once per day. To date, no perchloroethylene has been detected above the 1 part per billion (ppb) limit of the screening test, in the raw or treated water at these locations.

C. Dioxin Drinking Water Program

C.1 Results

As part of its developing Drinking Water Surveillance Program, Environment Ontario tested for dioxins at four St. Clair area water treatment plants, including Sarnia (Lambton), Wallaceburg, Windsor and Amherstburg, starting in early summer 1985.

The program was expanded to include seven area water treatment plants (Sarnia, Walpole Island, Wallaceburg, Amherstburg, Windsor, Mitchell's Bay and Stoney Point) from November 6, 1985.

Table C lists the dioxin results.

C.2 Discussion

No dibenzo-p-dioxins or dibenzofurans in any form were detected in any treated water samples.

Dioxins were found only in raw water, in two samples of Windsor raw water and in one sample of Amherstburg raw water. But the form of dioxins detected is hundreds of times less toxic than 2,3,7,8-tetrachlorodibenzodioxin, which was not detected in any sample.

Regarding the expanded seven treatment plants survey, no dioxins have been detected in any water samples to date.

TABLE A

AMHERSTBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 1

PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25				
1 ALKALINITY		R	84.0	82.4	86.6	85.0	91.4	85.2			0.2	
1 (LAB)	mg/L	T	66.6	68.4	75.4	71.6	70.4	67.8			mg/L	
2 ALUMINUM		R	0.250	0.033	0.210	0.190	0.990	0.570			0.003	
2 (MET)	mg/L	T	0.039	0.069	0.093	0.056	0.038	0.068			mg/L	
3 ARSENIC		R	<W	<W	<W	<W	<W	<W			0.001	0.05
3 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W			mg/L	mg/L
4 BARIUM		R	0.012	0.013	0.014	0.013	0.017	0.014			0.001	1
4 (MET)	mg/L	T	0.011	0.013	0.014	0.012	0.015	0.013			mg/L	mg/L
5 BORON		R	0.06	0.10	<W	0.03	<W	0.08			0.02	5
5 (MET)	mg/L	T	0.05	0.10	<W	0.08	<W	0.05			mg/L	mg/L
6 BERYLLIUM		R	<W	<W	<W	<W	<W	<W			0.001	
6 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W			mg/L	
7 BENZENE		R	<W	<W	<W	<W	<W	<W			1	10
7 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	ug/L h
8 TOLUENE		R	<W	<W	<W	<W	<W	<W			1	14300
8 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
9 ETHYLBENZENE		R	<W	<W	<W	<W	<W	<W			1	1400
9 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
10 P-XYLENE		R	<W	<W	<W	<W	<W	<W			1	620
10 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
11 M-XYLENE		R	<W	<W	<W	<W	<W	<W			1	620
11 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	ug/L c

AMHERSTBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 2

PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25				
12 O-XYLENE		R	<W	<W	<W	<W	<W	<W			1 ug/L	620
12 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W				ug/L c
13 CALCIUM		R	26.5	27.2	29.6	30.0	34.6	31.0			0.1 mg/L	
13 (LAB)	mg/L	T	26.8	28.4	30.0	30.0	37.0	33.5				
14 CYANIDE		R	<W	<W	<W	<W	<W	<W			0.001	0.2
14 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W			mg/L	mg/L
15 CADMIUM		R	<W	<W	<W	<W	<W	<W			0.0003	0.005
15 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W			mg/L	mg/L
16 CHLORIDE		R	10.4	8.8	9.6	10.6	22.4	17.6			0.2	250
16 (LAB)	mg/L	T	10.4	12.8	12.4	19.8	22.4	20.2			mg/L	mg/L
17 COLOUR	TCU	R	3.0	4.0	6.0	7.0	22.5	7.5			0.5	5
17 (LAB)		T	1.0<T	0.5<T	0.5<T	0.5<T	0.5<T	0.5<T			TCU	TCU
18 CONDUCTIVITY		R	232	230	238	238	310	270			0.01	
18 (LAB)	umho/cm	T	238	246	258	269	323	300			UMHO/CM	
19 COBALT		R	<W	<W	0.001	<W	0.001	<W			0.001	
19 (MET)	mg/L	T	<W	<W	<W	<W	0.001	<W			mg/L	
20 CHROMIUM		R	0.003	<W	0.002	0.002	0.003	0.003			0.001	0.05
20 (MET)	mg/L	T	0.002	<W	0.001	0.001	0.002	0.002			mg/L	mg/L
21 COPPER		R	0.007	0.004	0.005	0.006	0.006	0.009			0.001L	1
21 (MET)	mg/L	T	0.002	0.001	<W	0.003	0.003	0.012			mg/L	mg/L
22 F. COLIFORM MF		R	118	LA	124.	176.	>300	DR			0	0/0.1L
22 (BAC) count/100mL		T	NA	NA	NA	NA	NA	NA				mL

AMHERSTBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 3

PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25				
23 IRON		R	0.490	0.110	0.250	0.270	0.940	0.560			0.002	0.3
23 (MET)	mg/L	T	0.010	0.013	<W	<W	0.002	0.014			mg/L	mg/L
24 FLUORIDE		R	0.09	0.09	0.10	0.11	0.14	0.10			0.01	2.4
24 (LAB)	mg/L	T	1.15	1.04	1.17	1.02	0.97	1.20			mg/L	mg/L
25 FIELD CHLORINE (COMBINED)		R	NA	NA	NA	NA	NA	NA				
25 (FLD)		T	0.20	0.10	0.20	0.20	0.10	0.00				
26 FIELD CHLORINE (FREE)		R	NA	NA	NA	NA	NA	NA				
26 (FLD)		T	0.70	0.80	0.80	0.80	0.80	0.80				
27 FIELD CHLORINE (TOTAL)		R	NA	NA	NA	NA	NA	NA				
27 (FLD)		T	0.90	0.90	1.00	1.00	0.90	0.80				
28 FIELD PH		R	7.70	7.70	7.70	7.80	8.10	7.60				
28 (FLD)		T	6.90	7.20	7.10	7.10	7.20	6.80				
29 FIELD TEMPERATURE		R	14.0	22.0	21.0	14.0	9.0	7.0				
29 (FLD)		T	15.0	22.0	20.0	14.0	8.0	6.0				
30 FIELD TURBIDITY		R	7.70	6.10	7.30	5.30	23.0	24.2				1 FTU
30 (FLD)		T	0.08	0.12	0.17	0.04	0.05	0.23				
31 HARDNESS		R	95.4	97.1	105	105	123	110			0.5	
31 (LAB)	mg/L	T	96.1	101	107	106	130	117			mg/L	
32 STANDARD PLATE COUNT MF		R	1800	>2400	NR	LA	>2400	>2400			0	500 orga-
32 (BAC)	count/mL	T	280	1	2	9	1	1				nisms per
33 MERCURY		R	<W	<W	0.01	<W	0.01	0.01			0.01	1
33 (MET)	ug/L	T	<W	<W	0.01	<W	0.01	<W			ug/L	ug/L

AMHERSTBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 4

PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25				
34 MAGNESIUM		R	7.10	7.20	7.50	7.40	8.85	7.80			0.05	
34 (LAB)	mg/L	T	7.10	7.20	7.70	7.50	9.10	8.20			mg/L	
35 MANGANESE		R	0.015	0.007	0.010	0.009	0.013	0.010			0.001	0.05
35 (MET)	mg/L	T	0.005	<W	<W	0.001	0.003	0.002			mg/L	mg/L
36 MOLYBDENUM		R	0.002	<W	0.001	0.002	0.001	0.001			0.001	0.25
36 (MET)	mg/L	T	<W	<W	0.001	0.002	0.001	0.001			mg/L	mg/L
37 SODIUM		R	7.0	6.2	6.4	6.6	13.5	10.8			0.1	
37 (LAB)	mg/L	T	6.2	7.4	7.4	11.8	12.3	12.0			mg/L	
38 NICKEL		R	<W	<W	<W	<W	0.003	0.002			0.002	
38 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W			mg/L	
39 AMMONIUM TOTAL		R	<W	<W	<W	<W	<W	<W			0.05	
39 (LAB)	mg/L	T	<W	<W	<W	<W	<W	<W			mg/L	
40 NITRITE		R	.015<T	.020<T	.020<T	.015<T	.015<T	.015<T			0.005	1 mg/L
40 (LAB)	mg/L	T	<W	.010<T	<W	<W	<W	<W			mg/L	as N
41 NITRATE		R	NR	NR	0.30<T	0.30<T	0.65	0.55			0.05	10 mg/L
41 (LAB)	mg/L	T	NR	NR	0.30<T	0.30<T	0.90	0.90			mg/L	as N
42 NITROGEN TOTAL KJELDAHL		R	0.30<T	0.60<T	0.30<T	0.30<T	<W	0.30<T			0.1	0.15
42 (LAB)	mg/L	T	0.20<T	0.40<T	0.10<T	0.20<T	<W	0.10<T			mg/L	mg/L *
43 PRESENCE/ABSENCE		R	NA	NA	NA	NA	NA	NA			0	Absent
43 (BAC)		T	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT				
44 LEAD	mg/L	R	<W	<W	<W	<W	<W	<W			0.003	0.05
44 (MET)		T	<W	<W	<W	<W	<W	<W			mg/L	mg/L

AMHERSTBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 5

PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25						
45 PH	R	8.22	8.22	8.45	8.29	8.24	7.99						
45 (LAB)	T	7.20	7.37	7.44	7.45	7.29	7.22						
46 PHOSPHORUS FILTERED REACTIVE	R	<W	<W	<W	<W	NR	<W					0.01	
46 (LAB) mg/L	T	<W	<W	<W	<W	NR	<W					mg/L	
47 PHOSPHORUS TOTAL	R	0.02<T	0.06<T	0.04<T	0.02<T	NR	0.08<T					0.01	
47 (LAB) mg/L	T	<W	0.04<T	<W	<W	NR	0.02<T					mg/L	
48 ALDRIN	R	<W	<W	<W	<W	<W	<W					1	700
48 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L **
49 ALPHA BHC	R	<W	<W	3<T	2<T	2<T	2<T					1	700
49 (PST) ng/L	T	3<T	<W	2<T	2<T	3<T	2<T					ng/L	ng/L c
50 BETA BHC	R	<W	<W	<W	<W	<W	<W					1	300
50 (PST) ng/L	T	<W	<W	<W	<W	<W	4<T					ng/L	ng/L c
51 LINDANE	R	<W	<W	<W	<W	<W	<W					1	4000
51 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L
52 ALPHA CHLORDANE	R	<W	<W	<W	<W	<W	<W					2	700
52 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L ***
53 GAMMA CHLORDANE	R	<W	<W	<W	<W	<W	<W					2	700
53 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L ***
54 DIELDRIN	R	<W	<W	<W	<W	<W	<W					2	700
54 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L **
55 METHOXYCHLOR	R	<W	<W	<W	<W	<W	<W					5	100000
55 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25				
56 ENDRIN		R	<W	<W	<W	<W	<W	<W			4	200
56 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L
57 THIODAN SULPHATE		R	<W	<W	<W	<W	<W	<W			4	
57 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	
58 THIODAN I		R	<W	<W	<W	<W	<W	<W			2	74000
58 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L ea
59 THIODAN II		R	<W	<W	<W	<W	<W	<W			4	74000
59 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L ea
60 METHYLPARATHION		R	+	+	+	+	+	+			50	7000
60 (SPC)		T	+	+	+	+	+	+			ng/L	ng/L
61 PARATHION		R	+	+	+	+	+	+			50	35000
61 (SPC)		T	+	+	+	+	+	+			ng/L	ng/L
62 HEPTACHLOR EPOXIDE		R	<W	<W	<W	<W	<W	<W			1	3000 +++
62 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L
63 HEPTACHLOR		R	<W	<W	<W	<W	1<T	<W			1	3000
63 (PST)	ng/L	T	<W	<W	<W	<W	<W	5<T			ng/L	ng/L +++
64 MIREX		R	<W	<W	<W	<W	<W	<W			5	
64 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	
65 OXYCHLORDANE		R	<W	<W	<W	<W	<W	<W			2	
65 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	
66 O, P, -DDT		R	<W	<W	<W	<W	<W	<W			5	30000
66 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L d

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25				
67 PCB		R	<W	<W	<W	<W	<W	<W			20	3000
67 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L t
68 P,P-DDD		R	<W	<W	<W	<W	<W	<W			5	d
68 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	
69 P,P-DDE		R	2<T	<W	<W	<W	<W	<W			1	d
69 (PST)	ng/L	T	<W	<W	<W	<W	1<T	<W			ng/L	
70 P,P-DDT		R	<W	<W	<W	<W	<W	<W			5	d
70 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	
71 AMETRINE		R	+	+	+	<W	+	+			50	
71 (SPC)	ng/L	T	+	+	+	<W	+	+			ng/L	
72 ATRAZINE		R	+	+	+	<W	+	+			50	
72 (SPC)	ng/L	T	+	+	+	<W	+	+			ng/L	
73 DIAZINON		R	+	+	+	NS	+	+			50	14000
73 (SPC)	ng/L	T	+	+	+	NS	+	+			ng/L	ng/L
74 BLADEX		R	+	+	+	<W	+	+			100	
74 (SPC)	ng/L	T	+	+	+	<W	+	+			ng/L	
75 PROMETONE		R	+	+	+	<W	+	+			50	
75 (SPC)	ng/L	T	+	+	+	<W	+	+			ng/L	
76 PROPazine		R	+	+	+	<W	+	+			50	
76 (SPC)	ng/L	T	+	+	+	<W	+	+			ng/L	
77 PROMETRYNE		R	+	+	+	<W	+	+			50	
77 (SPC)	ng/L	T	+	+	+	<W	+	+			ng/L	

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25				
78 SENCOR		R	+	+	+	<W	+	+			100	
78 (SPC)	ng/L	T	+	+	+	<W	+	+			ng/L	
79 SIMAZINE		R	+	+	+	<W	+	+			50	
79 (SPC)	ng/L	T	+	+	+	<W	+	+			ng/L	
80 DICAMBA		R	+	+	+	<W	+	+			100	
80 (SPC)	ng/L	T	+	+	+	<W	+	+			ng/L	
81 PICLORAM		R	+	+	+	<W	+	+			100	
81 (SPC)	ng/L	T	+	+	+	<W	+	+			ng/L	
82 SILVEX		R	+	+	+	<W	+	+			50	10000
82 (SPC)	ng/L	T	+	+	+	<W	+	+			ng/L	ng/L
83 2,4-D		R	+	+	+	<W	+	+			100	100000
83 (SPC)	ng/L	T	+	+	+	<W	+	+			ng/L	ng/L
84 2,4-D BUTYRIC ACID		R	+	+	+	<W	+	+			200	
84 (SPC)	ng/L	T	+	+	+	<W	+	+			ng/L	
85 2,4-D PROPIONIC ACID		R	+	+	+	<W	+	+			100	
85 (SPC)	ng/L	T	+	+	+	<W	+	+			ng/L	
86 2,4,5-T		R	+	+	+	<W	+	+			50	
86 (SPC)	ng/L	T	+	+	+	<W	+	+			ng/L	
87 TOTAL SOLIDS		R	151	144	155	155	221	175			1	
87 (LAB)	mg/L	T	155	160	168	175	210	195			mg/L	
88 SELENIUM		R	<W	<W	<W	<W	<W	<W			0.001	0.01
88 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W			mg/L	mg/L

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PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25						
89 STRONTIUM	R	0.099	0.100	0.110	0.220	0.130	0.10					0.001	
89 (MET) mg/L	T	0.098	0.110	0.110	0.100	0.130	0.11					mg/L	
90 TOTAL COLIFORM MF	R	1800	300	1800	800	>11800	4900					0	ODWO
90 (BAC) count/100mL	T	0	0	0	0	2	0						Bacti
91 TOTAL COLIFORM BACKGROUND MF	R	16500	90000	49000	46000	110000	58000					0	OWDO
91 (BAC) count/100mL	T	0	0	0	1	11	0						Bacti
92 TURBIDITY	R	9.8	5.3	9.0	10.9	32	20					0.01	1
92 (LAB) FTU	T	0.43<T	0.10<T	0.19<T	0.10<T	0.27<T	0.17<T					FTU	FTU
93 URANIUM	R	<W	<W	<W	<W	<W	<W					0.002	.02
93 (MET) mg/L	T	<W	<W	<W	<W	<W	<W					mg/L	mg/L t
94 VANADIUM	R	0.001	<W	<W	<W	0.001	0.001					0.001	
94 (MET) mg/L	T	0.001	0.001	<W	<W	<W	<W					mg/L	
95 HEXACHLOROBUTADIENE	R	<W	<W	<W	<W	<W	<W					1	4500
95 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L e
96 1,1-DICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W					1	.3
96 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L h
97 METHYLENE CHLORIDE	R	<W	<W	<W	<W	<W	1AD					5	40
97 (VOL) ug/L	T	<W	<W	<W	<W	<W	1AD					ug/L	ug/L c
98 T,1,2-DICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W					1	
98 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	
99 1,1-DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W					1	
99 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	

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PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25						
100 CHLOROFORM	R	<W	<W	<W	<W	<W	<W					1	350
100 (VOL) ug/L	T	21	38	31	20	26	17					ug/L	ug/L ++
101 DICHLOROMETHANE	R	<W	<W	<W	<W	<W	1AD					5	40
101 (VOL) ug/L	T	<W	<W	<W	<W	<W	1AD					ug/L	ug/L c
102 1,1,1-TRICHLOROETHANE	R	<W	<W	<W	<W	<W	<W					1	
102 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	
103 DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W					1	
103 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	
104 1,2-DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W					1	10
104 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L h
105 CARBON TETRACHLORIDE	R	<W	<W	<W	<W	<W	<W					1	3
105 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L h
106 1,2 DICHLOROPROPANE	R	<W	<W	<W	<W	<W	<W					1	6
106 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L ep
107 TRICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W					1	30
107 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L h
108 DICHLOROBROMOMETHANE	R	<W	<W	<W	<W	<W	<W					1	350
108 (VOL) ug/L	T	10	14	13	9	12	10					ug/L	ug/L ++
109 1,1,2-TRICHLOROETHANE	R	<W	<W	<W	<W	<W	<W					1	6
109 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L e
110 CHLORODIBROMOMETHANE	R	<W	<W	<W	<W	<W	<W					1	350
110 (VOL) ug/L	T	5	15	15	8	9	9					ug/L	ug/L ++

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PARAMETERS		D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25				
111 TETRACHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W			1	10
111 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	ug/L h
112 BROMOFORM	R	<W	<W	<W	<W	<W	<W			1	350
112 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	ug/L ++
113 1,1,2,2-TETRACHLOROETHANE	R	<W	<W	<W	<W	<W	<W			1	1.7
113 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
114 HEXACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W			1	10
114 (PST) ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L h
115 HEXACHLOROETHANE	R	<W	<W	<W	<W	<W	<W			1	19000
115 (CHA) ng/L	T	<W	<W	<W	<W	5<T	<W			ng/L	ng/L e
116 OCTACHLOROSTYRENE	R	<W	<W	<W	<W	<W	<W			1	
116 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	
117 PENTACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W			1	74000
117 (CHA) ng/L	T	<W	<W	<W	<W	4<T	<W			ng/L	ng/L e
118 TOTAL TRIHALOMETHANES	R	<W	<W	<W	<W	<W	<W			3	350
118 (VOL) ug/L	T	36	67	59	37	47	36			ug/L	ug/L ++
119 2,3,6-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W			5	
119 (CHA) ng/L	T	<W	<W	<W	<W	<W	19<T			ng/L	
120 2,4,5-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W			5	10000
120 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L g
121 2,6,A-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W			5	
121 (CHA) mg/L	T	<W	<W	<W	<W	<W	<W			ng/L	

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PARAMETERS		D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25				
122 CHLOROBENZENE	R	<W	<W	<W	<W	<W	<W			1	100-300
122 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L h*
123 1,4-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W			1	400
123 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
124 1,3-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W			1	400
124 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
125 1,2-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W			1	400
125 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
126 TRIFLUOROCHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W			1	
126 (CHA) ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	
127 1,2,3-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W			5	10000
127 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L y
128 1,2,3,4-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W			1	38000
128 (CHA) ng/L	T	<W	3<T	<W	<W	<W	<W			ng/L	ng/L e
129 1,2,3,5-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W			1	
129 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	
130 1,2,4-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W			5	15000
130 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L y
131 1,2,4,5-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W			1	38000
131 (CHA) ng/L	T	<W	<W	<W	<W	15	<W			ng/L	ng/L e
132 1,3,5-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W			5	10000
132 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L y

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PARAMETERS		DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25				
133 PENTACHLOROPHENOL	R +	+	+	+	<W	+	+			50	10000
133 (CHP) ng/L	T +	+	+	+	<W	+	+			ng/L	ng/L h
134 2,3,4-TRICHLOROPHENOL	R +	+	+	+	<W	+	+			100	
134 (CHP) ng/L	T +	+	+	+	<W	+	+			ng/L	
135 2,3,4,5-TETRACHLOROPHENOL	R +	+	+	+	<W	+	+			50	
135 (CHP) ng/L	T +	+	+	+	<W	+	+			ng/L	
136 2,3,5,6-TETRACHLOROPHENOL	R +	+	+	+	<W	+	+			50	
136 (CHP) ng/L	T +	+	+	+	<W	+	+			ng/L	
137 2,4,5-TRICHLOROPHENOL	R +	+	+	+	<W	+	+			50	
137 (CHP) ng/L	T +	+	+	+	<W	+	+			ng/L	
138 2,4,6-TRICHLOROPHENOL	R +	+	+	+	<W	+	+			50	10000
138 (CHP) ng/L	T +	+	+	+	<W	+	+			ng/L	ng/L h
139 ZINC	R 0.006	0.003	0.003	0.005	0.007	0.007				0.001	5
139 (MET) mg/L	T <W	0.001	0.010	0.002	0.002	0.007				mg/L	mg/L h

LAB - Chemistry (LAB)
FLD - Chemistry (FIELD)
BAC - Bacteriological

MET - Metal
VOL - Volatiles
PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics
CHP - Chlorophenols
SPC - Specific Pesticides

TABLE A

MITCHELL'S BAY WATER TREATMENT PLANT
1985 DWSP DATA

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25			
1 ALKALINITY		R	101.2	103.6	69.4	69.6	111.2	127.4	180.4		0.2	
1 (LAB)	mg/L	T	79.2	64.2	48.4	48.0	88.8	89.2	113.4		mg/L	
2 ALUMINUM		R	0.240	0.082	0.110	0.210	0.210	0.140	2.7		0.003	
2 (MET)	mg/L	T	0.081	0.220	0.061	0.035	0.041	0.015	0.05		mg/L	
3 ARSENIC		R	<W	<W	<W	<W	<W	<W	<W		0.001	0.05
3 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W		mg/L	mg/L
4 BARIUM		R	0.014	0.015	0.011	0.010	0.017	0.018	0.034		0.001	1
4 (MET)	mg/L	T	0.019	0.019	0.013	0.011	0.019	0.026	0.022		mg/L	mg/L
5 BORON		R	IS	0.08	0.07	0.06	<0.05	0.15	0.13		0.02	5
5 (MET)	mg/L	T	0.05	0.06	0.08	0.07	<0.05	0.13	0.08		mg/L	mg/L
6 BERYLLIUM		R	<W	<W	<W	<W	<W	<W	<W		0.001	
6 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W		mg/L	
7 BENZENE		R	<W	<W	<W	<W	<W	<W	<W		1	10
7 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W		ug/L	ug/L h
8 TOLUENE		R	<W	<W	<W	<W	<W	<W	<W		1	14300
8 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W		ug/L	ug/L e
9 ETHYLBENZENE		R	<W	<W	<W	<W	<W	<W	<W		1	1400
9 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W		ug/L	ug/L e
10 P-XYLENE		R	<W	<W	<W	<W	<W	<W	<W		1	620
10 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W		ug/L	ug/L e
11 M-XYLENE		R	<W	<W	<W	<W	<W	<W	<W		1	620
11 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W		ug/L	ug/L c

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PARAMETERS			D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE
			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25					
12 O-XYLENE		R	<W	<W	<W	<W	<W	<W	<W				1 ug/L	620
12 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W					ug/L
13 CALCIUM		R	33.0	34.0	20.8	20.5	40.2	47.5	78.5				0.1 mg/L	
13 (LAB)	mg/L	T	38.0	44.5	23.5	22.0	47.0	47.5	79.0					
14 CYANIDE		R	<W	<W	<W	<W	<W	<W	<W				0.001	0.2
14 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W				mg/L	mg/L
15 CADMIUM		R	<W	<W	<W	<W	<W	<W	<W				0.0003	0.005
15 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W				mg/L	mg/L
16 CHLORIDE		R	11.2	11.6	12.6	9.4	19.0	15.8	26.2				0.2	250
16 (LAB)	mg/L	T	14.2	14.4	15.2	10.6	23.2	17.6	29.0				mg/L	mg/L
17 COLOUR	TCU	R	8.0	8.0	8.0	5.5	18.0	9.5	31.0				0.5	5
17 (LAB)		T	1.5<T	<W	1.0<T	1.0<T	1.5<T	3.0	1.5<T				TCU	TCU
18 CONDUCTIVITY		R	273	281	216	201	336	362	552.				0.01	
18 (LAB)	umho/cm	T	314	293	251	209	393	371	570.				UMHO/CM	
19 COBALT		R	<W	<W	<W	<W	<W	<W	.002<T				0.001	
19 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W				mg/L	
20 CHROMIUM		R	0.003	<W	0.002	0.003	0.003	0.003	0.008				0.001	0.05
20 (MET)	mg/L	T	0.003	<W	0.002	0.005	0.002	<W	0.003				mg/L	mg/L
21 COPPER		R	0.003	0.003	0.002	0.003	0.005	0.005	0.008				0.001L	1
21 (MET)	mg/L	T	0.013	0.029	0.021	0.014	0.024	0.018	0.021				mg/L	mg/L
22 F. COLIFORM MF		R	<2	0	<2	0	7	0	26.				0	0/0.1L
22 (BAC)	count/100mL	T	NA	NA	NA	NA	NA	NA	NA					mL

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25			
23 IRON		R	0.32	0.066	0.089	0.044	0.220	0.050	3.0		0.002	0.3
23 (MET)	mg/L	T	0.02<T	0.022	0.033	0.021	0.023	0.041	0.072		mg/L	mg/L
24 FLUORIDE		R	0.13	0.17	0.11	0.10	0.16	0.14	0.19		0.01	2.4
24 (LAB)	mg/L	T	0.07	0.07	0.09	0.07	0.10	0.07	0.08		mg/L	mg/L
25 FIELD CHLORINE (COMBINED)		R	NA	NA	NA	NA	NA	NA	NA			
25 (FLD)	mg/L	T	0.20	0.10	0.20	0.80	1.00	NS	0.25			
26 FIELD CHLORINE (FREE)		R	NA	NA	NA	NA	NA	NA	NA			
26 (FLD)	mg/L	T	0.80	1.10	0.80	0.80	1.00	0.80	0.6			
27 FIELD CHLORINE (TOTAL)		R	NA	NA	NA	NA	NA	NA	NA			
27 (FLD)	mg/L	T	1.0	1.20	1.0	NS	NS	NS	0.85			
28 FIELD PH		R	NS	NS	NS	NS	NS	NS	8.3			
28 (FLD)		T	NS	NS	NS	NS	NS	NS	7.2			
29 FIELD TEMPERATURE		R	14.0	19.0	23.0	21.0	20.0	15.0	6.0			
29 (FLD)	°C	T	16.0	21.0	24.0	23.0	21.0	12.0	13.5			
30 FIELD TURBIDITY		R	5.70	1.50	2.00	1.20	1.00	3.50	61.0			1 FTU
30 (FLD)	FTU	T	0.25	0.15	0.27	0.25	0.27	0.21	0.31			
31 HARDNESS		R	117.0	125.0	86.9	82.1	147.3	166.0	266.0		0.5	
31 (LAB)	mg/L	T	133.0	150	96.1	86.6	167.2	164.0	266.0		mg/L	
32 STANDARD PLATE COUNT MF		R	1	>2400	>2400	900	900	260	900.		0	500 orga-
32 (BAC)	count/mL	T	11	0	7	1	0	172	0			nisms per mL
33 MERCURY		R	0.01	<W	0.01	<W	0.01	0.01	0.02		0.01	1
33 (MET)	ug/L	T	<W	<W	0.01	0.01	0.01	0.01	0.01		ug/L	ug/L

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25			
34 MAGNESIUM		R	8.30	9.70	8.50	7.50	11.40	11.50	16.9		0.05	
34 (LAB)	mg/L	T	9.20	9.40	9.10	7.70	12.10	11.10	16.8		mg/L	
35 MANGANESE		R	.015<T	0.017	0.010	0.004	0.009	0.004	0.03		0.001	0.05
35 (MET)	mg/L	T	.005<T	0.006	0.009	0.003	0.006	0.004	0.009		mg/L	mg/L
36 MOLYBDENUM		R	<W	0.001	0.003	0.002	0.002	0.002	0.004		0.001	0.25
36 (MET)	mg/L	T	0.001	0.001	0.002	0.001	0.002	0.002	0.003		mg/L	mg/L
37 SODIUM		R	6.8	7.0	6.8	5.5	8.2	8.2	8.4		0.1	
37 (LAB)	mg/L	T	7.0	7.0	7.2	5.8	8.8	8.2	8.5		mg/L	
38 NICKEL		R	<W	<W	<W	<W	0.002	0.002	0.004		0.002	
38 (MET)	mg/L	T	<W	<W	<W	<W	0.002	<W	<W		mg/L	
39 AMMONIUM TOTAL		R	<W	<W	<W	<W	<W	<W	0.05<T		0.05	
39 (LAB)	mg/L	T	<W	<W	<W	<W	<W	<W	<W		mg/L	
40 NITRITE		R	.025<T	0.150	.025<T	0.01<T	0.03<T	0.04<T	.075		0.005	1 mg/L
40 (LAB)	mg/L	T	<W	<W	<W	0.01<T	<W	<W	<W		mg/L	as N
41 NITRATE		R	NS	NS	NS	NS	1.35	NS	5.5		0.05	10 mg/L
41 (LAB)	mg/L	T	NS	NS	NS	NS	1.75	NS	5.5		mg/L	as N
42 NITROGEN TOTAL KJELDAHL		R	0.20<T	0.4<T	0.4<T	0.5<T	0.6<T	0.4<T	1.0		0.1	0.15
42 (LAB)	mg/L	T	0.60<T	0.3<T	0.2<T	0.6<T	0.2<T	0.2<T	0.5<T		mg/L	mg/L *
43 PRESENCE/ABSENCE		R	NA	NA	NA	NA	NA	NA	NA		0	Absent
43 (BAC)		T	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	NS	ABSENT			
44 LEAD		R	<W	0.003	<W	<W	<W	<W	0.004		0.003	0.05
44 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W		mg/L	mg/L

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		MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25					
45 PH	R	8.06	7.76	8.86	8.51	8.42	8.20	8.14					
45 (LAB)	T	7.19	7.41	7.32	7.60	7.19	7.32	7.53					
46 PHOSPHORUS FILTERED REACTIVE	R	0.02<T	0.01<T	<W	<W	<W	<W	<W				0.01	
46 (LAB) mg/L	T	<W	0.01<T	<W	<W	<W	<W	<W				mg/L	
47 PHOSPHORUS TOTAL	R	<W	0.04<T	0.02<T	0.02<T	0.02<T	<W	0.10<T				0.01	
47 (LAB) mg/L	T	0.06<T	0.02<T	0.01<T	0.03<T	<W	<W	0.02<T				mg/L	
48 ALDRIN	R	<W	<W	<W	<W	<W	<W	<W				1	700
48 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W				ng/L	ng/L **
49 ALPHA BHC	R	<W	<W	<2T	<W	2<T	2<T	2<T				1	700
49 (PST) ng/L	T	<W	2<T	<3T	<W	4<T	2<T	3<T				ng/L	ng/L c
50 BETA BHC	R	<W	<W	<W	<W	<W	<W	<W				1	300
50 (PST) ng/L	T	<W	1<T	<W	<W	<W	<W	<W				ng/L	ng/L c
51 LINDANE	R	<W	<W	<W	<W	<W	<W	<W				1	4000
51 (PST) ng/L	T	<W	1<T	<W	<W	3<T	2<T	<W				ng/L	ng/L
52 ALPHA CHLORDANE	R	<W	<W	<W	<W	<W	<W	<W				2	700
52 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W				ng/L	ng/L ***
53 GAMMA CHLORDANE	R	<W	<W	<W	<W	<W	<W	<W				2	700
53 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W				ng/L	ng/L ***
54 DIELDRIN	R	<W	<W	<W	<W	<W	<W	<W				2	700
54 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W				ng/L	ng/L **
55 METHOXYCHLOR	R	<W	<W	<W	<W	<W	<W	<W				5	100000
55 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W				ng/L	ng/L

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25			
56 ENDRIN	R	<W	<W	<W	<W	<W	<W	<W	<W		4	200
56 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	ng/L
57 THIODAN SULPHATE	R	<W	<W	<W	<W	<W	<W	<W	<W		4	
57 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	
58 THIODAN I	R	<W	<W	<W	<W	<W	<W	<W	<W		2	74000
58 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	ng/L ea
59 THIODAN II	R	<W	<W	<W	<W	<W	<W	<W	<W		4	74000
59 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	ng/L ea
60 METHYLPARATHION	R	+	<W	+	+	+	+	+	+		50	7000
60 (SPC)	T	+	<W	+	+	+	+	+	+		ng/L	ng/L
61 PARATHION	R	+	<W	+	+	+	+	+	+		50	35000
61 (SPC)	T	+	<W	+	+	+	+	+	+		ng/L	ng/L
62 HEPTACHLOR EPOXIDE	R	<W	<W	<W	<W	<W	<W	<W	<W		1	3000 +++
62 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	ng/L
63 HEPTACHLOR	R	<W	<W	<W	<W	<W	<W	<W	<W		1	3000
63 (PST) ng/L	T	<W	<W	<W	<W	3<T	<W	<W	<W		ng/L	ng/L +++
64 MIREX	R	<W	<W	<W	<W	<W	<W	<W	<W		5	
64 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	
65 OXYCHLORDANE	R	<W	<W	<W	<W	<W	<W	<W	<W		2	
65 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	
66 O, P, -DDT	R	<W	<W	<W	<W	<W	<W	<W	<W		5	30000
66 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	ng/L d

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			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25				
67 PCB		R	<W	<W	<W	<W	<W	<W	<W			20	3000
67 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L t
68 P, P-DDD		R	<W	<W	<W	<W	<W	<W	<W			5	d
68 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W			ng/L	
69 P, P-DDE		R	<W	<W	<W	<W	<W	<W	<W			1	d
69 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W			ng/L	
70 P, P-DDT		R	<W	<W	<W	<W	<W	<W	<W			5	d
70 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W			ng/L	
71 AMETRINE		R	+	+	+	+	+	<W	+			50	
71 (SPC)	ng/L	T	+	+	+	+	+	<W	+			ng/L	
72 ATRAZINE		R	+	+	+	+	+	<W	+			50	
72 (SPC)	ng/L	T	+	+	+	+	+	<W	+			ng/L	
73 DIAZINON		R	+	<W	+	+	+	NS	+			50	14000
73 (SPC)	ng/L	T	+	<W	+	+	+	NS	+			ng/L	ng/L
74 BLADEX		R	+	+	+	+	+	<W	+			100	
74 (SPC)	ng/L	T	+	+	+	+	+	<W	+			ng/L	
75 PROMETONE		R	+	+	+	+	+	<W	+			50	
75 (SPC)	ng/L	T	+	+	+	+	+	<W	+			ng/L	
76 PROPAZINE		R	+	+	+	+	+	<W	+			50	
76 (SPC)	ng/L	T	+	+	+	+	+	<W	+			ng/L	
77 PROMETRYNE		R	+	+	+	+	+	<W	+			50	
77 (SPC)	ng/L	T	+	+	+	+	+	<W	+			ng/L	

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PARAMETERS			DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25					
78 SENCOR		R	+	+	+	+	+	<W	+				100	
78 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
79 SIMAZINE		R	+	+	+	+	+	<W	+				50	
79 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
80 DICAMBA		R	+	+	+	+	+	<W	+				100	
80 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
81 PICLORAM		R	+	+	+	+	+	<W	+				100	
81 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
82 SILVEX		R	+	+	+	+	+	<W	+				50	10000
82 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	ng/L
83 2,4-D		R	+	+	+	+	+	<W	+				100	100000
83 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	ng/L
84 2,4-D BUTYRIC ACID		R	+	+	+	+	+	<W	+				200	
84 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
85 2,4-D PROPIONIC ACID		R	+	+	+	+	+	<W	+				100	
85 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
86 2,4,5-T		R	+	+	+	+	+	<W	+				50	
86 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
87 TOTAL SOLIDS		R	177	206	140	131	218	235	413				1	
87 (LAB)	mg/L	T	204	230	163	136	255	241	394				mg/L	
88 SELENIUM		R	<W	<W	<W	<W	<W	<W	<W				0.001	0.01
88 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W				mg/L	mg/L

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			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25			
89 STRONTIUM	R	0.120	0.110	0.100	0.100	0.150	0.160	0.190			0.001	
89 (MET) mg/L	T	0.160	0.120	0.130	0.097	0.170	0.190	0.190			mg/L	
90 TOTAL COLIFORM MF	R	5	300	<2	200	100	4	500			0	ODWO
90 (BAC) count/100mL	T	0	0	0	0	0	0	0				Bacti
91 TOTAL COLIFORM BACKGROUND MF	R	1700	41000	210000	15000	18000	500	24000			0	OWDO
91 (BAC) count/100mL	T	0	0	1	0	0	172	0				Bacti
92 TURBIDITY	R	7.1	1.77	3.40	1.26	7.00	1.50	80.0			0.01	1
92 (LAB) FTU	T	0.3<T	<T	0.12	0.17<T	0.25<T	0.27<T	0.28<T			FTU	FTU
93 URANIUM	R	<W	<W	<W	<W	<W	<W	<W			0.002	.02
93 (MET) mg/L	T	<W	<W	<W	<W	<W	<W	<W			mg/L	mg/L t
94 VANADIUM	R	0.002	0.001	<W	<W	<W	<W	.009			0.001	
94 (MET) mg/L	T	0.002	<W	<W	<W	<W	<W	.003			mg/L	
95 HEXACHLOROBUTADIENE	R	<W	<W	<W	<W	<W	<W	<W			1	4500
95 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L e
96 1,1-DICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W			1	.3
96 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L h
97 METHYLENE CHLORIDE	R	<W	<W	<W	<W	<W	<W	CS			5	40
97 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	CS			ug/L	ug/L c
98 T,1,2-DICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W			1	
98 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W			ug/L	
99 1,1-DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W			1	
99 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W			ug/L	

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		MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25					
100 CHLOROFORM	R	<W	<W	<W	<W	<W	<W	<W				1	350
100 (VOL) ug/L	T	29	43	32	31	55	44	51				ug/L	ug/L ++
101 DICHLOROMETHANE	R	<W	<W	<W	<W	<W	<W	CS				5	40
101 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	CS				ug/L	ug/L c
102 1,1,1-TRICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W				1	
102 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	
103 DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W				1	
103 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	
104 1,2-DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W				1	10
104 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
105 CARBON TETRACHLORIDE	R	<W	<W	<W	<W	<W	<W	<W				1	3
105 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
106 1,2 DICHLOROPROPANE	R	<W	<W	<W	<W	<W	<W	<W				1	6
106 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L ep
107 TRICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W				1	30
107 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
108 DICHLOROBROMOMETHANE	R	<W	<W	<W	<W	<W	<W	<W				1	350
108 (VOL) ug/L	T	16	17	14	10	25	16	18				ug/L	ug/L ++
109 1,1,2-TRICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W				1	6
109 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L e
110 CHLORODIBROMOMETHANE	R	<W	<W	<W	<W	<W	<W	<W				1	350
110 (VOL) ug/L	T	6	5	13	9	20	10	10				ug/L	ug/L ++

MITCHELL'S BAY WATER TREATMENT PLANT
1985 DWSP DATA

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PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25					
111 TETRACHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W				1	10
111 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
112 BROMOFORM	R	<W	<W	<W	<W	<W	<W	<W				1	350
112 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L ++
113 1,1,2,2-TETRACHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W				1	1.7
113 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L e
114 HEXACHLOROENZENE	R	<W	<W	<W	<W	<W	<W	<W				1	10
114 (PST) ng/L	T	<W	1<T	<W	<W	<W	<W	<W				ng/L	ng/L h
115 HEXACHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W				1	19000
115 (CHA) ng/L	T	<W	5<T	<W	<W	<W	<W	<W				ng/L	ng/L e
116 OCTACHLOROSTYRENE	R	<W	<W	<W	<W	<W	<W	<W				1	
116 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W				ng/L	
117 PENTACHLOROENZENE	R	<W	<W	<W	<W	<W	<W	<W				1	74000
117 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W				ng/L	ng/L e
118 TOTAL TRIHALOMETHANES	R	<W	<W	<W	<W	<W	<W	<W				3	350
118 (VOL) ug/L	T	51	65	59	50	100	70	79				ug/L	ug/L ++
119 2,3,6-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W				5	
119 (CHA) ng/L	T	<W	<W	<W	<W	<W	21<T	<W				ng/L	
120 2,4,5-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W				5	10000
120 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W				ng/L	ng/L g
121 2,6-A-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W				5	
121 (CHA) mg/L	T	<W	<W	<W	<W	<W	<W	5<T				ng/L	

MITCHELL'S BAY WATER TREATMENT PLANT
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PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25					
122 CHLORO BENZENE	R	<W	<W	<W	<W	<W	<W	<W				1	100-300
122 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ng/L	ng/L h*
123 1,4-DICHLORO BENZENE	R	<W	<W	<W	<W	<W	<W	<W				1	400
123 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L e
124 1,3-DICHLORO BENZENE	R	<W	<W	<W	<W	<W	<W	<W				1	400
124 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L e
125 1,2-DICHLORO BENZENE	R	<W	<W	<W	<W	<W	<W	<W				1	400
125 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L e
126 TRIFLUOROCHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W				1	
126 (CHA) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	
127 1,2,3-TRICHLORO BENZENE	R	<W	<W	<W	<W	<W	<W	<W				5	10000
127 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W				ng/L	ng/L y
128 1,2,3,4-TETRACHLORO BENZENE	R	<W	<W	<W	<W	<W	<W	<W				1	38000
128 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W				ng/L	ng/L e
129 1,2,3,5-TETRACHLORO BENZENE	R	<W	<W	<W	<W	<W	<W	<W				1	
129 (CHA) ng/L	T	<W	9<T	<W	<W	<W	<W	<W				ng/L	
130 1,2,4-TRICHLORO BENZENE	R	<W	<W	<W	<W	<W	<W	<W				5	15000
130 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W				ng/L	ng/L y
131 1,2,4,5-TETRACHLORO BENZENE	R	<W	<W	<W	<W	<W	<W	<W				1	38000
131 (CHA) ng/L	T	<W	6<T	<W	<W	<W	<W	<W				ng/L	ng/L e
132 1,3,5-TRICHLORO BENZENE	R	<W	<W	<W	<W	<W	<W	<W				5	10000
132 (CHA) ng/L	T	<W	<W	<W	12<T	<W	<W	<W				ng/L	ng/L y

MITCHELL'S BAY WATER TREATMENT PLANT
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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25			
133 PENTACHLOROPHENOL	R	+	<W	+	+	+	+	<W	+		50	10000 ng/L h
133 (CHP) ng/L	T	+	<W	+	+	+	+	<W	+		ng/L	
134 2,3,4-TRICHLOROPHENOL	R	+	<W	+	+	+	+	<W	+		100	ng/L
134 (CHP) ng/L	T	+	<W	+	+	+	+	<W	+		ng/L	
135 2,3,4,5-TETRACHLOROPHENOL	R	+	<W	+	+	+	+	<W	+		50	ng/L
135 (CHP) ng/L	T	+	<W	+	+	+	+	<W	+		ng/L	
136 2,3,5,6-TETRACHLOROPHENOL	R	+	<W	+	+	+	+	<W	+		50	ng/L
136 (CHP) ng/L	T	+	<W	+	+	+	+	<W	+		ng/L	
137 2,4,5-TRICHLOROPHENOL	R	+	<W	+	+	+	+	<W	+		50	ng/L
137 (CHP) ng/L	T	+	<W	+	+	+	+	<W	+		ng/L	
138 2,4,6-TRICHLOROPHENOL	R	+	<W	+	+	+	+	<W	+		50	10000 ng/L h
138 (CHP) ng/L	T	+	<W	+	+	+	+	<W	+		ng/L	
139 ZINC	R	0.007	0.004	0.003	0.007	0.005	0.013	.016			0.001	5 mg/L h
139 (MET) mg/L	T	0.006	0.011	0.006	0.006	0.010	0.009	.009			mg/L	

LAB - Chemistry (LAB)
FLD - Chemistry (FIELD)
BAC - Bacteriological

MET - Metal
VOL - Volatiles
PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics
CHP - Chlorophenols
SPC - Specific Pesticides

SARNIA WATER TREATMENT PLANT
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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			NOV 15									
12 O-XYLENE		R	<W								0.2	
12 (VOL)	ug/L	T	<W								mg/L	
13 CALCIUM		R	26.0								0.003	
13 (LAB)	mg/L	T	27.0								mg/L	
14 CYANIDE		R	NR								0.001	0.05
14 (MET)	mg/L	T	NR								mg/L	mg/L
15 CADMIUM		R	NR								0.001	1
15 (MET)	mg/L	T	NR								mg/L	mg/L
16 CHLORIDE		R	5.0								0.02	5
16 (LAB)	mg/L	T	6.6								mg/L	mg/L
17 COLOUR	TCU	R	3.5								0.001	
17 (LAB)		T	<W								mg/L	
18 CONDUCTIVITY		R	210								1	10
18 (LAB)	umho/cm	T	215								ug/L	ug/L h
19 COBALT		R	NR								1	14300
19 (MET)	mg/L	T	NR								ug/L	ug/L e
20 CHROMIUM		R	NR								1	1400
20 (MET)	mg/L	T	NR								ug/L	ug/L e
21 COPPER		R	NR								1	620
21 (MET)	mg/L	T	NR								ug/L	ug/L e
22 F. COLIFORM MF		R	NR								1	620
22 (BAC)	count/100mL	T	NR								ug/L	ug/L c

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ GUIDELINE ¹
			NOV 15									
34 MAGNESIUM	R	7.25									0.05	
34 (LAB) mg/L	T	7.25									mg/L	
35 MANGANESE	R	NR									0.001	0.05
35 (MET) mg/L	T	NR									mg/L	mg/L
36 MOLYBDENUM	R	NR									0.001	0.25
36 (MET) mg/L	T	NR									mg/L	mg/L
37 SODIUM	R	3.5									0.1	
37 (LAB) mg/L	T	3.5									mg/L	
38 NICKEL	R	NR									0.002	
38 (MET) mg/L	T	NR									mg/L	
39 AMMONIUM TOTAL	R	NR									0.05	
39 (LAB) mg/L	T	NR									mg/L	
40 NITRITE	R	<W									0.005	1 mg/L
40 (LAB) mg/L	T	<W									mg/L	as N
41 NITRATE	R	0.30<T									0.05	10 mg/L
41 (LAB) mg/L	T	0.30<T									mg/L	as N
42 NITROGEN TOTAL KJELDAHL	R	NR									0.1	0.15
42 (LAB) mg/L	T	NR									mg/L	mg/L *
43 PRESENCE/ABSENCE	R	NR									0	Absent
43 (BAC)	T	NR										
44 LEAD mg/L	R	NR									0.003	0.05
44 (MET)	T	NR									mg/L	mg/L

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[illegible]

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[illegible]

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			NOV 15									
78 SENCOR		R +									100	
78 (SPC)	ng/L	T +									ng/L	
79 SIMAZINE		R +									50	
79 (SPC)	ng/L	T +									ng/L	
80 DICAMBA		R +									100	
80 (SPC)	ng/L	T +									ng/L	
81 PICLORAM		R +									100	
81 (SPC)	ng/L	T +									ng/L	
82 SILVEX		R +									50	10000
82 (SPC)	ng/L	T +									ng/L	ng/L
83 2,4-D		R +									100	100000
83 (SPC)	ng/L	T +									ng/L	ng/L
84 2,4-D BUTYRIC ACID		R +									200	
84 (SPC)	ng/L	T +									ng/L	
85 2,4-D PROPIONIC ACID		R +									100	
85 (SPC)	ng/L	T +									ng/L	
86 2,4,5-T		R +									50	
86 (SPC)	ng/L	T +									ng/L	
87 TOTAL SOLIDS		R 137									1	
87 (LAB)	mg/L	T 140									mg/L	
88 SELENIUM		R <W									0.001	0.01
88 (MET)	mg/L	T <W									mg/L	mg/L

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/GUIDELINE
			NOV 15									
100 CHLOROFORM	R <W									1	350	
100 (VOL) ug/L	T 29									ug/L	ug/L ++	
101 DICHLOROMETHANE	R <W									5	40	
101 (VOL) ug/L	T <W									ug/L	ug/L c	
102 1,1,1-TRICHLOROETHANE	R <W									1		
102 (VOL) ug/L	T <W									ug/L		
103 DICHLOROETHANE	R <W									1		
103 (VOL) ug/L	T <W									ug/L		
104 1,2-DICHLOROETHANE	R <W									1	10	
104 (VOL) ug/L	T <W									ug/L	ug/L h	
105 CARBON TETRACHLORIDE	R <W									1	3	
105 (VOL) ug/L	T <W									ug/L	ug/L h	
106 1,2 DICHLOROPROPANE	R <W									1	6	
106 (VOL) ug/L	T <W									ug/L	ug/L ep	
107 TRICHLOROETHYLENE	R <W									1	30	
107 (VOL) ug/L	T <W									ug/L	ug/L h	
108 DICHLOROBROMOMETHANE	R <W									1	350	
108 (VOL) ug/L	T 11									ug/L	ug/L ++	
109 1,1,2-TRICHLOROETHANE	R <W									1	6	
109 (VOL) ug/L	T <W									ug/L	ug/L e	
110 CHLORODIBROMOMETHANE	R <W									1	350	
110 (VOL) ug/L	T 10									ug/L	ug/L ++	

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			NOV 15									
111 TETRACHLOROETHYLENE	R	<W									1	10
111 (VOL) ug/L	T	<W									ug/L	ug/L h
112 BROMOFORM	R	<W									1	350
112 (VOL) ug/L	T	<W									ug/L	ug/L ++
113 1,1,2,2-TETRACHLOROETHANE	R	<W									1	1.7
113 (VOL) ug/L	T	<W									ug/L	ug/L e
114 HEXACHLOROBENZENE	R	<W									1	10
114 (PST) ng/L	T	<W									ng/L	ng/L h
115 HEXACHLOROETHANE	R	<W									1	19000
115 (CHA) ng/L	T	2<T									ng/L	ng/L e
116 OCTACHLOROSTYRENE	R	<W									1	
116 (CHA) ng/L	T	<W									ng/L	
117 PENTACHLOROBENZENE	R	<W									1	74000
117 (CHA) ng/L	T	<W									ng/L	ng/L e
118 TOTAL TRIHALOMETHANES	R	<W									3	350
118 (VOL) ug/L	T	50									ug/L	ug/L ++
119 2,3,6-TRICHLOROTOLUENE	R	<W									5	
119 (CHA) ng/L	T	9<T									ng/L	
120 2,4,5-TRICHLOROTOLUENE	R	<W									5	10000
120 (CHA) ng/L	T	<W									ng/L	ng/L g
121 2,6,A-TRICHLOROTOLUENE	R	<W									5	
121 (CHA) mg/L	T	<W									ng/L	

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE
			NOV 15									
122 CHLOROBENZENE	R	<W									1	100-300
122 (VOL) ug/L	T	<W									ng/L	ng/L h*
123 1,4-DICHLORO BENZENE	R	<W									1	400
123 (VOL) ug/L	T	<W									ug/L	ug/L e
124 1,3-DICHLORO BENZENE	R	<W									1	400
124 (VOL) ug/L	T	<W									ug/L	ug/L e
125 1,2-DICHLORO BENZENE	R	<W									1	400
125 (VOL) ug/L	T	<W									ug/L	ug/L e
126 TRIFLUOROCHLOROTOLUENE	R	<W									1	
126 (CHA) ug/L	T	<W									ug/L	
127 1,2,3-TRICHLORO BENZENE	R	<W									5	10000
127 (CHA) ng/L	T	<W									ng/L	ng/L y
128 1,2,3,4-TETRACHLORO BENZENE	R	<W									1	38000
128 (CHA) ng/L	T	<W									ng/L	ng/L e
129 1,2,3,5-TETRACHLORO BENZENE	R	<W									1	
129 (CHA) ng/L	T	<W									ng/L	
130 1,2,4-TRICHLORO BENZENE	R	<W									5	15000
130 (CHA) ng/L	T	<W									ng/L	ng/L y
131 1,2,4,5-TETRACHLORO BENZENE	R	<W									1	38000
131 (CHA) ng/L	T	12									ng/L	ng/L e
132 1,3,5-TRICHLORO BENZENE	R	<W									5	10000
132 (CHA) ng/L	T	<W									ng/L	ng/L y

SARNIA WATER TREATMENT PLANT
1985 DWSP DATA

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PARAMETERS	D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
	NOV 15											
133 PENTACHLOROPHENOL	R +										50	10000
133 (CHP) ng/L	T +										ng/L	ng/L h
134 2,3,4-TRICHLOROPHENOL	R +										100	
134 (CHP) ng/L	T +										ng/L	
135 2,3,4,5-TETRACHLOROPHENOL	R +										50	
135 (CHP) ng/L	T +										ng/L	
136 2,3,5,6-TETRACHLOROPHENOL	R +										50	
136 (CHP) ng/L	T +										ng/L	
137 2,4,5-TRICHLOROPHENOL	R +										50	
137 (CHP) ng/L	T +										ng/L	
138 2,4,6-TRICHLOROPHENOL	R +										50	10000
138 (CHP) ng/L	T +										ng/L	ng/L h
139 ZINC	R NR										0.001	5
139 (MET) mg/L	T NR										mg/L	mg/L h

LAB - Chemistry (LAB)
FLD - Chemistry (FIELD)
BAC - Bacteriological

MET - Metal
VOL - Volatiles
PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics
CHP - Chlorophenols
SPC - Specific Pesticides

TABLE A

STONEY POINT WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 1

PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4				
1 ALKALINITY		R	105	91.8	86.6	83.4	91.8	84.2			0.2	
1 (LAB)	mg/L	T	85.4	72.8	68.4	69.8	71.6	72.4			mg/L	
2 ALUMINUM		R	2.1	0.033	0.25	0.14	0.45	0.220			0.003	
2 (MET)	mg/L	T	0.075	0.047	0.048	0.067	<W	0.045			mg/L	
3 ARSENIC		R	<W	<W	<W	<W	<W	<W			0.001	0.05
3 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W			mg/L	mg/L
4 BARIUM		R	0.027	0.017	0.017	0.017	0.018	0.018			0.001	1
4 (MET)	mg/L	T	0.013	0.015	0.017	0.013	0.007	0.016			mg/L	mg/L
5 BORON		R	0.05	0.31	0.06	<W	<W	0.02			0.02	5
5 (MET)	mg/L	T	<W	0.28	0.09	<W	<W	<W			mg/L	mg/L
6 BERYLLIUM		R	<W	<W	<W	<W	<W	<W			0.001	
6 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W			mg/L	
7 BENZENE		R	<W	<W	<W	<W	<W	<W			1	10
7 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	ug/L h
8 TOLUENE		R	<W	<W	<W	<W	<W	<W			1	14300
8 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
9 ETHYLBENZENE		R	<W	<W	<W	<W	<W	<W			1	1400
9 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
10 P-XYLENE		R	<W	<W	<W	<W	<W	<W			1	620
10 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
11 M-XYLENE		R	<W	<W	<W	<W	<W	<W			1	620
11 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W			ug/L	ug/L c

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4				
12 O-XYLENE		R	<W	<W	<W	<W	<W	<W			1 ug/L	620
12 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W				ug/L c
13 CALCIUM		R	35.0	26.0	27.8	35.0	31.0	28.5			0.1 mg/L	
13 (LAB)	mg/L	T	36.5	27.0	29.2	31.2	32.0	29.5				
14 CYANIDE		R	<W	<W	<W	<W	<W	<W			0.001	0.2
14 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W			mg/L	mg/L
15 CADMIUM		R	<W	<W	<W	<W	<W	<W			0.0003	0.005
15 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W			mg/L	mg/L
16 CHLORIDE		R	12.8	7.8	9.0	16.8	9.6	8.0			0.2	250
16 (LAB)	mg/L	T	14.2	10.8	17.6	13.6	12.2	10.8			mg/L	mg/L
17 COLOUR	TCU	R	7.0	6.5	4.5	9.0	13.0	10.0			0.5	5
17 (LAB)		T	1.0<T	1.0<T	0.5<T	0.5<T	<W	0.5<T			TCU	TCU
18 CONDUCTIVITY		R	279	242	243	307	248	229			0.01	
18 (LAB)	umho/cm	T	294	256	266	263	259	243			UMHO/CM	
19 COBALT		R	0.01	0.017	<W	<W	<W	<W			0.001	
19 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W			mg/L	
20 CHROMIUM		R	0.003	0.001	<W	0.002	<W	0.001			0.001	0.05
20 (MET)	mg/L	T	<W	<W	<W	0.002	<W	<W			mg/L	mg/L
21 COPPER		R	0.009	0.014	0.003	0.004	0.014	0.019			0.001L	1
21 (MET)	mg/L	T	<W	0.002	0.003	0.004	<W	0.002			mg/L	mg/L
22 F. COLIFORM MF		R	4	0	0	1	1	8			0	0/0.1L
22 (BAC) count/100mL		T	NA	NA	NA	NA	NA	NA				mL

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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4						
23 IRON		R 1AD	0.04	0.28	0.19	0.53	0.35					0.002 mg/L	0.3 mg/L
23 (MET)	mg/L	T <W	0.012	0.004	<W	0.005	0.007						
24 FLUORIDE		R 0.10	0.09	0.09	0.17	0.11	0.10					0.01 mg/L	2.4 mg/L
24 (LAB)	mg/L	T 0.08	0.07	0.07	0.08	0.07	0.08						
25 FIELD CHLORINE (COMBINED)		R NA	NA	NA	NA	NA	NA						
25 (FLD)		T .10	1.30	1.70	1.50	NS	0.15						
26 FIELD CHLORINE (FREE)		R NA	NA	NA	NA	NA	NA						
26 (FLD)		T 0.40	0.20	1.50	1.35	1.50	1.5						
27 FIELD CHLORINE (TOTAL)		R NA	NA	NA	NA	NA	NA						
27 (FLD)		T 0.50	1.50	3.20	2.85	NS	1.65						
28 FIELD PH		R NS	NS	7.80	7.65	7.80	7.65						
28 (FLD)		T NS	NS	7.40	7.40	7.30	7.40						
29 FIELD TEMPERATURE		R 18.5	20.5	21.0	21.5	37.5	12.0						
29 (FLD)		T 18.5	20.5	21.0	21.5	37.5	11.5						
30 FIELD TURBIDITY		R 42	14	NS	38	30	18						1 FTU
30 (FLD)		T 3.0	0.10	0	0.10	0	0						
31 HARDNESS		R 124	97.0	102	128	110	102					0.5 mg/L	
31 (LAB)	mg/L	T 128	99.5	108	112	112	105						
32 STANDARD PLATE COUNT MF		R 650	1600	>2400	>2400	350	940					0	500 orga- nisms per mL
32 (BAC)	count/mL	T 0	250	3	1AD	1	15						
33 MERCURY		R <W	<W	0.01	0.06	0.04	0.05					0.01 ug/L	1 ug/L
33 (MET)	ug/L	T <W	<W	0.03	0.03	0.04	0.04						

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4				
34 MAGNESIUM		R	8.9	7.8	7.8	9.8	7.9	7.5			0.05	
34 (LAB)	mg/L	T	8.9	7.8	8.4	8.3	7.9	7.7			mg/L	
35 MANGANESE		R	0.050	0.013	0.010	0.019	0.013	0.011			0.001	0.05
35 (MET)	mg/L	T	<W	<W	0.001	<W	<W	0.001			mg/L	mg/L
36 MOLYBDENUM		R	0.001	0.002	<W	0.002	<W	<W			0.001	0.25
36 (MET)	mg/L	T	<W	0.001	0.001	0.002	<W	<W			mg/L	mg/L
37 SODIUM		R	8.3	6.2	5.8	9.6	6.0	5.0			0.1	
37 (LAB)	mg/L	T	7.5	6.0	6.5	6.4	5.9	5.5			mg/L	
38 NICKEL		R	0.002	<W	<W	0.002	0.002	<W			0.002	
38 (MET)	mg/L	T	<W	<W	<W	0.002	<W	<W			mg/L	
39 AMMONIUM TOTAL		R	0.10<T	<W	<W	0.20<T	<W	0.20<T			0.05	
39 (LAB)	mg/L	T	0.10<T	<W	<W	<W	<W	<W			mg/L	
40 NITRITE		R	.005<T	.010<T	.010<T	.015<T	<W	.010<T			0.005	1 mg/L
40 (LAB)	mg/L	T	.005<T	<W	<W	<W	<W	<W			mg/L	as N
41 NITRATE		R	NR	NR	NR	NR	0.5	0.2<T			0.05	10 mg/L
41 (LAB)	mg/L	T	NR	NR	NR	NR	0.4	NR			mg/L	as N
42 NITROGEN TOTAL KJELDAHL		R	0.5<T	0.4<T	0.3<T	0.6<T	0.3<T	0.2<T			0.1	0.15
42 (LAB)	mg/L	T	0.2<T	0.2<T	<W	0.2<T	0.1<T	0.1<T			mg/L	mg/L *
43 PRESENCE/ABSENCE		R	NA	NA	NA	NA	NA	NA			0	Absent
43 (BAC)		T	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT				
44 LEAD		R	<W	<W	<W	<W	0.004	<W			0.003	0.05
44 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W			mg/L	mg/L

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PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4						
45 PH	R	8.12	8.21	8.29	8.18	8.21	8.09						
45 (LAB)	T	7.40	7.50	7.15	7.40	7.18	7.71						
46 PHOSPHORUS FILTERED REACTIVE	R	NR	<W	<W	<W	<W	<W					0.01	
46 (LAB) mg/L	T	NR	<W	<W	<W	<W	<W					mg/L	
47 PHOSPHORUS TOTAL	R	0.06<T	0.04<T	0.02<T	<W	<W	0.02<T					0.01	
47 (LAB) mg/L	T	0.10<T	<W	<W	0.04<T	<W	<W					mg/L	
48 ALDRIN	R	<W	<W	<W	<W	<W	<W					1	
48 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	700 ng/L **
49 ALPHA BHC	R	<W	<W	<W	<W	2<T	<W					1	
49 (PST) ng/L	T	<W	<W	<W	<W	3<T	4<T					ng/L	700 ng/L c
50 BETA BHC	R	<W	<W	<W	<W	<W	<W					1	
50 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	300 ng/L c
51 LINDANE	R	<W	<W	<W	<W	<W	2<T					1	
51 (PST) ng/L	T	<W	<W	<W	<W	<W	2<T					ng/L	4000 ng/L
52 ALPHA CHLORDANE	R	<W	<W	<W	<W	<W	<W					2	
52 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	700 ng/L ***
53 GAMMA CHLORDANE	R	<W	<W	<W	<W	<W	<W					2	
53 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	700 ng/L ***
54 DIELDIN	R	<W	<W	<W	<W	<W	<W					2	
54 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	700 ng/L **
55 METHOXYCHLOR	R	<W	<W	<W	<W	<W	<W					5	
55 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	100000 ng/L

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4				
56 ENDRIN		R	<W	<W	<W	<W	<W	<W			4	200
56 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L
57 THIODAN SULPHATE		R	<W	<W	<W	<W	<W	<W			4	
57 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	
58 THIODAN I		R	<W	<W	<W	<W	<W	<W			2	74000
58 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L ea
59 THIODAN II		R	<W	<W	<W	<W	<W	<W			4	74000
59 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L ea
60 METHYLPARATHION		R	+	+	+	+	+	+			50	7000
60 (SPC)		T	+	+	+	+	+	+			ng/L	ng/L
61 PARATHION		R	+	+	+	+	+	+			50	35000
61 (SPC)		T	+	+	+	+	+	+			ng/L	ng/L
62 HEPTACHLOR EPOXIDE		R	<W	<W	<W	2<T	<W	<W			1	3000 +++
62 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L
63 HEPTACHLOR		R	<W	<W	<W	<W	<W	<W			1	3000
63 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L +++
64 MIREX		R	<W	<W	<W	<W	<W	<W			5	
64 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	
65 OXYCHLORDANE		R	<W	<W	<W	<W	<W	<W			2	
65 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	
66 O, P, -DDT		R	<W	<W	<W	<W	<W	<W			5	30000
66 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L d

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4				
67 PCB		R	<W	<W	<W	<W	<W	<W			20	3000
67 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	ng/L t
68 P,P-DDD		R	<W	<W	<W	<W	<W	<W			5	d
68 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	
69 P,P-DDE		R	<W	<W	<W	<W	<W	<W			1	d
69 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	
70 P,P-DDT		R	<W	<W	<W	<W	<W	<W			5	d
70 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W			ng/L	
71 AMETRINE		R	+	<W	+	+	+	<W			50	
71 (SPC)	ng/L	T	+	LA	+	+	+	<W			ng/L	
72 ATRAZINE		R	+	<W	+	+	+	<W			50	
72 (SPC)	ng/L	T	+	LA	+	+	+	<W			ng/L	
73 DIAZINON		R	+	+	+	+	+	NS			50	14000
73 (SPC)	ng/L	T	+	+	+	+	+	NS			ng/L	ng/L
74 BLADEx		R	+	<W	+	+	+	<W			100	
74 (SPC)	ng/L	T	+	LA	+	+	+	<W			ng/L	
75 PROMETONE		R	+	<W	+	+	+	<W			50	
75 (SPC)	ng/L	T	+	LA	+	+	+	<W			ng/L	
76 PROPazine		R	+	<W	+	+	+	<W			50	
76 (SPC)	ng/L	T	+	LA	+	+	+	<W			ng/L	
77 PROMETRYNE		R	+	<W	+	+	+	<W			50	
77 (SPC)	ng/L	T	+	LA	+	+	+	<W			ng/L	

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4				
78 SENCOR		R	+	<W	+	+	+	<W			100	
78 (SPC)	ng/L	T	+	LA	+	+	+	<W			ng/L	
79 SIMAZINE		R	+	<W	+	+	+	<W			50	
79 (SPC)	ng/L	T	+	LA	+	+	+	<W			ng/L	
80 DICAMBA		R	+	<W	+	+	+	<W			100	
80 (SPC)	ng/L	T	+	<W	+	+	+	<W			ng/L	
81 PICLORAM		R	+	<W	+	+	+	<W			100	
81 (SPC)	ng/L	T	+	<W	+	+	+	<W			ng/L	
82 SILVEX		R	+	<W	+	+	+	<W			50	10000
82 (SPC)	ng/L	T	+	<W	+	+	+	<W			ng/L	ng/L
83 2,4-D		R	+	<W	+	+	+	<W			100	100000
83 (SPC)	ng/L	T	+	<W	+	+	+	<W			ng/L	ng/L
84 2,4-D BUTYRIC ACID		R	+	<W	+	+	+	<W			200	
84 (SPC)	ng/L	T	+	<W	+	+	+	<W			ng/L	
85 2,4-D PROPIONIC ACID		R	+	<W	+	+	+	<W			100	
85 (SPC)	ng/L	T	+	<W	+	+	+	<W			ng/L	
86 2,4,5-T		R	+	<W	+	+	+	<W			50	
86 (SPC)	ng/L	T	+	<W	+	+	+	<W			ng/L	
87 TOTAL SOLIDS		R	230	164	158	219	165	149			1	
87 (LAB)	mg/L	T	191	160	173	171	168	190			mg/L	
88 SELENIUM		R	<W	<W	<W	<W	<W	<W			0.001	0.01
88 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W			mg/L	mg/L

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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4						
89 STRONTIUM	R	0.13	0.12	0.13	0.19	0.18	0.12					0.001	
89 (MET) mg/L	T	0.11	0.11	0.15	0.12	0.06	0.12					mg/L	
90 TOTAL COLIFORM MF	R	10P	10P	2	1000	10P	400					0	ODWO
90 (BAC) count/100mL	T	0	0	0	1	0	0						Bacti
91 TOTAL COLIFORM BACKGROUND MF	R	35000	50000	1800	26000	27500	12000					0	OWDO
91 (BAC) count/100mL	T	0	0	0	5	0	2						Bacti
92 TURBIDITY	R	34	14.4	9.3	16.3	15.4	12.0					0.01	1
92 (LAB) FTU	T	0.34<T	0.25<T	0.81<T	0.34<T	0.47<T	0.42<T					FTU	FTU
93 URANIUM	R	<W	<W	<W	<W	<W	<W					0.002	.02
93 (MET) mg/L	T	<W	<W	<W	<W	<W	<W					mg/L	mg/L t
94 VANADIUM	R	0.004	0.001	0.001	0.001	0.001	0.001					0.001	
94 (MET) mg/L	T	<W	<W	<W	<W	<W	<W					mg/L	
95 HEXACHLOROBUTADIENE	R	<W	<W	<W	<W	<W	<W					1	4500
95 (CHA) ng/L	T	<W	<W	<W	<W	<W	2<T					ng/L	ng/L e
96 1,1-DICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W					1	.3
96 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L h
97 METHYLENE CHLORIDE	R	<W	<W	<W	<W	<W	<W					5	40
97 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L c
98 T,1,2-DICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W					1	
98 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	
99 1,1-DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W					1	
99 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	

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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4						
100 CHLOROFORM	R	<W	<W	<W	<W	<W	<W					1	350
100 (VOL) ug/L	T	17	38	66	54	39	47					ug/L	ug/L ++
101 DICHLOROMETHANE	R	<W	<W	<W	<W	<W	<W					5	40
101 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L c
102 1,1,1-TRICHLOROETHANE	R	<W	<W	<W	<W	<W	<W					1	
102 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	
103 DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W					1	
103 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	
104 1,2-DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W					1	10
104 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L h
105 CARBON TETRACHLORIDE	R	<W	<W	<W	<W	<W	<W					1	3
105 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L h
106 1,2 DICHLOROPROPANE	R	<W	<W	<W	<W	<W	<W					1	6
106 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L ep
107 TRICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W					1	30
107 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L h
108 DICHLOROBROMOMETHANE	R	<W	<W	<W	<W	<W	<W					1	350
108 (VOL) ug/L	T	10	14	18	18	15	15					ug/L	ug/L ++
109 1,1,2-TRICHLOROETHANE	R	<W	<W	<W	<W	<W	<W					1	6
109 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L e
110 CHLORODIBROMOMETHANE	R	<W	<W	<W	<W	<W	<W					1	350
110 (VOL) ug/L	T	4	5	16	14	12	10					ug/L	ug/L ++

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PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4						
111 TETRACHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W					1	10
111 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L h
112 BROMOFORM	R	<W	<W	<W	<W	<W	<W					1	350
112 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L ++
113 1,1,2,2-TETRACHLOROETHANE	R	<W	<W	<W	<W	<W	<W					1	1.7
113 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L e
114 HEXACHLOROBENZENE	R	<W	<W	<W	3<T	<W	<W					1	10
114 (PST) ng/L	T	<W	<W	<W	3<T	<W	<W					ng/L	ng/L h
115 HEXACHLOROETHANE	R	<W	<W	<W	<W	<W	<W					1	19000
115 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L e
116 OCTACHLOROSTYRENE	R	<W	<W	<W	<W	<W	<W					1	
116 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	
117 PENTACHLOROBENZENE	R	<W	<W	<W	2<T	<W	<W					1	74000
117 (CHA) ng/L	T	<W	<W	<W	6<T	<W	3<T					ng/L	ng/L e
118 TOTAL TRIHALOMETHANES	R	<W	<W	<W	<W	<W	<W					3	350
118 (VOL) ug/L	T	31	57	100	86	66	72					ug/L	ug/L ++
119 2,3,6-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W					5	
119 (CHA) ng/L	T	<W	<W	<W	<W	<W	39<T					ng/L	
120 2,4,5-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W					5	10000
120 (CHA) ng/L	T	<W	<W	<W	20<T	23<T	<W					ng/L	ng/L g
121 2,6,A-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W					5	
121 (CHA) mg/L	T	<W	<W	<W	<W	<W	<W					ng/L	

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PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4						
122 CHLOROBEZENE	R	<W	<W	<W	<W	<W	<W					1	100-300
122 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L h*
123 1,4-DICHLOROBEZENE	R	<W	<W	<W	<W	<W	<W					1	400
123 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L e
124 1,3-DICHLOROBEZENE	R	<W	<W	<W	<W	<W	<W					1	400
124 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L e
125 1,2-DICHLOROBEZENE	R	<W	<W	<W	<W	<W	<W					1	400
125 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L e
126 TRIFLUOROCHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W					1	
126 (CHA) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	
127 1,2,3-TRICHLOROBEZENE	R	<W	<W	<W	<W	<W	<W					5	10000
127 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L y
128 1,2,3,4-TETRACHLOROBEZENE	R	<W	<W	<W	<W	<W	<W					1	38000
128 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L e
129 1,2,3,5-TETRACHLOROBEZENE	R	<W	<W	<W	<W	<W	<W					1	
129 (CHA) ng/L	T	<W	<W	<W	<W	25	<W					ng/L	
130 1,2,4-TRICHLOROBEZENE	R	<W	<W	<W	<W	<W	<W					5	15000
130 (CHA) ng/L	T	<W	<W	<W	39<T	<W	<W					ng/L	ng/L y
131 1,2,4,5-TETRACHLOROBEZENE	R	<W	<W	<W	<W	<W	<W					1	38000
131 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L e
132 1,3,5-TRICHLOROBEZENE	R	<W	<W	<W	<W	<W	<W					5	10000
132 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L y

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PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4						
133 PENTACHLOROPHENOL	R +	<W	+	+	+	+	<W					50	10000
133 (CHP) ng/L	T +	<W	+	+	+	+	<W					ng/L	ng/L h
134 2,3,4-TRICHLOROPHENOL	R +	<W	+	+	+	+	<W					100	
134 (CHP) ng/L	T +	<W	+	+	+	+	<W					ng/L	
135 2,3,4,5-TETRACHLOROPHENOL	R +	<W	+	+	+	+	<W					50	
135 (CHP) ng/L	T +	<W	+	+	+	+	<W					ng/L	
136 2,3,5,6-TETRACHLOROPHENOL	R +	<W	+	+	+	+	<W					50	
136 (CHP) ng/L	T +	<W	+	+	+	+	<W					ng/L	
137 2,4,5-TRICHLOROPHENOL	R +	<W	+	+	+	+	<W					50	
137 (CHP) ng/L	T +	<W	+	+	+	+	<W					ng/L	
138 2,4,6-TRICHLOROPHENOL	R +	<W	+	+	+	+	<W					50	10000
138 (CHP) ng/L	T +	<W	+	+	+	+	<W					ng/L	ng/L h
139 ZINC	R 0.018	0.009	0.004	0.006	0.008	0.009						0.001	5
139 (MET) mg/L	T 0.002	0.003	0.004	0.005	0.002	0.005						mg/L	mg/L h

LAB - Chemistry (LAB)
FLD - Chemistry (FIELD)
BAC - Bacteriological

MET - Metal
VOL - Volatiles
PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics
CHP - Chlorophenols
SPC - Specific Pesticides

TABLE A

WALLACEBURG WATER TREATMENT PLANT
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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26		
1 ALKALINITY		R	82.0	83.6	81.6	UR	82.0	134.6	94.4	80.6	0.2	
1 (LAB)	mg/L	T	72.6	74.2	73.6	76.4	71.2	1NR	71.4	72.0	mg/L	
2 ALUMINUM		R	0.130	0.34	0.110	0.048	0.062	1.30	NR	0.056	0.003	
2 (MET)	mg/L	T	0.059	0.13	0.098	0.180	0.046	0.019	NR	0.026	mg/L	
3 ARSENIC		R	<W	<W	<W	<W	<W	<W	<W	<W	0.001	0.05
3 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	mg/L	mg/L
4 BARIUM		R	0.013	0.015	0.014	0.011	0.013	0.038	NR	0.012	0.001	1
4 (MET)	mg/L	T	0.009	0.013	0.014	0.010	0.013	0.027	NR	0.014	mg/L	mg/L
5 BORON		R	0.14	0.36	<0.02	.03UPR	0.03	<W	NR	0.06	0.02	5
5 (MET)	mg/L	T	0.05	0.29	<0.02	.04UPR	0.08	<W	NR	0.07	mg/L	mg/L
6 BERYLLIUM		R	<W	<W	<W	<W	<W	<W	NR	<W	0.001	
6 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	NR	<W	mg/L	
7 BENZENE		R	<W	<W	<W	<W	<W	<W	<W	<W	1	10
7 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	ug/L	ug/L h
8 TOLUENE		R	<W	<W	<W	<W	<W	<W	<W	<W	1	14300
8 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	ug/L	ug/L e
9 ETHYLBENZENE		R	<W	<W	<W	<W	<W	<W	<W	<W	1	1400
9 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	ug/L	ug/L e
10 P-XYLENE		R	<W	<W	<W	<W	<W	<W	<W	<W	1	620
10 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	ug/L	ug/L e
11 M-XYLENE		R	<W	<W	<W	<W	<W	<W	<W	<W	1	620
11 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	ug/L	ug/L c

WALLACEBURG WATER TREATMENT PLANT
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PARAMETERS			D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26				
12 O-XYLENE		R	<W	<W	<W	<W	<W	<W	<W	<W			1 ug/L	620
12 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W				ug/L c
13 CALCIUM		R	26.0	22.0	25.5	UR	27.0	58.0	35.0	27.5			0.1 mg/L	
13 (LAB)	mg/L	T	27.0	23.0	26.0	26.2	27.0	1NR	38.2	28.0				
14 CYANIDE		R	<W	<W	<W	<W	<W	<W	NR	<W			0.001	0.2
14 (MET)	mg/L	T	<W	<W	<W	<W	<W	1NR	NR	<W			mg/L	mg/L
15 CADMIUM		R	<W	<W	<W	<W	<W	<W	NR	<W			0.0003	0.005
15 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	NR	<W			mg/L	mg/L
16 CHLORIDE		R	8.8	6.6	8.8	UR	8.8	30.8	11.8	8.8			0.2	250
16 (LAB)	mg/L	T	10.2	9.4	13	8.8	10.6	1NR	15.4	11.0			mg/L	mg/L
17 COLOUR	TCU	R	4	3	5	UR	2	47.0	56.0	3.0			0.5	5
17 (LAB)		T	1.0<T	0.5<T	<W	5	<W	1NR	3.0	<W			TCU	TCU
18 CONDUCTIVITY		R	221	220	225	UR	221	469	282	227			0.01	
18 (LAB)	umho/cm	T	230	227	239	228	232	NR	311	233			UMHO/CM	
19 COBALT		R	<W	0.019	<W	<W	<W	0.002	NR	<W			0.001	
19 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	NR	<W			mg/L	
20 CHROMIUM		R	<W	0.001	<W	0.002	<W	0.001	NR	0.001			0.001	0.05
20 (MET)	mg/L	T	<W	<W	<W	0.002	<W	<W	NR	0.001			mg/L	mg/L
21 COPPER		R	0.002	0.002	0.002	0.013	0.002	0.004	NR	0.002			0.001L	1
21 (MET)	mg/L	T	<W	0.018	0.008	0.049	0.039	0.063	NR	<W			mg/L	mg/L
22 F. COLIFORM MF		R	LA	18500	1100	1700	2000	103	NR	111			0	0/0.1L
22 (BAC)	count/100mL	T	NA	NA	NA	NA	NA	NA	NA	NA				mL

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26		
23 IRON		R	0.33	0.45	0.17	0.14	0.12	1.2	NR	0.082	0.002 mg/L	0.3 mg/L
23 (MET)	mg/L	T	<W	0.049	0.003	0.023	0.002	0.04	NR	<W		
24 FLUORIDE		R	0.1	0.07	0.07	UR	0.08	0.16	0.12	0.08	0.01 mg/L	2.4 mg/L
24 (LAB)	mg/L	T	0.87	0.05	0.35	0.32	1.2	1NR	0.10	0.08		
25 FIELD CHLORINE (COMBINED)		R	NA	NA	NA	NA	NA	NA	NA	NA		
25 (FLD)		T	0.20	0.10	>0.005	NS	NS	0.2	NS	0.1		
26 FIELD CHLORINE (FREE)		R	NA	NA	NA	NA	NA	NA	NA	NA		
26 (FLD)		T	0.80	0.80	0.95	1.00	1.00	0.8	NS	0.7		
27 FIELD CHLORINE (TOTAL)		R	NA	NA	NA	NA	NA	NA	NA	NA		
27 (FLD)		T	1.00	0.90	>1.00	>1.00	>1.00	1.0	NS	0.8		
28 FIELD PH		R	NS	7.40	7.80	7.80	7.80	7.6	NS	7.7		
28 (FLD)		T	NS	NS	7.30	7.40	7.20	7.0	NS	7.3		
29 FIELD TEMPERATURE		R	14.0	18.0	20.0	22.0	15.0	11.0	NS	NS		
29 (FLD)		T	14.0	18.0	20.0	21.0	16.0	12.0	NS	NS		
30 FIELD TURBIDITY		R	5.10	9.00	6.75	5.00	3.25	22.0	NS	2.4		1 FTU
30 (FLD)		T	0.25	0.80	1.00	0.30	0.20	1.0	NS	.18		
31 HARDNESS		R	95	85	93	UR	98	204	126	97.9	0.5 mg/L	
31 (LAB)	mg/L	T	98	87	95	95	97	1NR	134	99.6		
32 STANDARD PLATE COUNT MF		R	AW	>2400	>2400	>2400	AW	OP	NR	760	0	500 orga- nisms per mL
32 (BAC)	count/mL	T	AW	14	2	AW	AW	22	NR	0		
33 MERCURY		R	<W	<W	<W	<W	0.01	0.01	NR	0.01	0.01 ug/L	1 ug/L
33 (MET)	ug/L	T	<W	<W	<W	<W	0.01	0.01	NR	0.01		

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PARAMETERS			DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26				
34 MAGNESIUM		R	7.3	7.4	7.2	UR	7.5	14.5	9.25	7.10			0.05	
34 (LAB)	mg/L	T	7.3	7.2	7.3	7.3	7.3	1NR	9.40	7.20			mg/L	
35 MANGANESE		R	.008<T	0.012	0.005	0.004	0.004	0.026	NR	0.003			0.001	0.05
35 (MET)	mg/L	T	<W	0.001	<W	<W	<W	0.004	NR	<W			mg/L	mg/L
36 MOLYBDENUM		R	<W	0.001	0.001	0.001	<W	0.001	NR	0.002			0.001	0.25
36 (MET)	mg/L	T	<W	0.001	<W	0.001	<W	0.001	NR	0.002			mg/L	mg/L
37 SODIUM		R	5.5	5.8	5.8	UR	6.2	13.5	6.5	5.5			0.1	
37 (LAB)	mg/L	T	6	5.8	6.8	4.8	7.2	1NR	7.0	6.0			mg/L	
38 NICKEL		R	<W	<W	<W	<W	<W	0.002	NR	<W			0.002	
38 (MET)	mg/L	T	<W	<W	<W	<W	<W	0.002	NR	<W			mg/L	
39 AMMONIUM TOTAL		R	0.10<T	<W	<W	UR	<W	<W	NR	<W			0.05	
39 (LAB)	mg/L	T	0.10<T	<W	<W	<W	<W	1NR	NR	<W			mg/L	
40 NITRITE		R	0.01<T	.015<T	0.01<T	UR	<W	0.095	0.03<T	0.01<T			0.005	1 mg/L
40 (LAB)	mg/L	T	<W	0.01<T	<W	<W	<W	1NR	<W	<W			mg/L	as N
41 NITRATE		R	-	-	-	-	0.20<T	2.9	1.37	.34			0.05	10 mg/L
41 (LAB)	mg/L	T	-	-	-	-	0.20<T	1NR	1.80	.35			mg/L	as N
42 NITROGEN TOTAL KJELDAHL		R	0.3<T	0.3<T	0.2<T	UR	<0.3<T	0.50	NR	0.30<T			0.1	0.15
42 (LAB)	mg/L	T	0.2<T	0.2<T	0.2<T	0.4<T	<W	1NR	NR	0.10<T			mg/L	mg/L *
43 PRESENCE/ABSENCE		R	NA	NA	NA	NA	NA	NA	NA	NA			0	Absent
43 (BAC)		T	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	NR	ABSENT				
44 LEAD	mg/L	R	<W	<W	<W	<W	<W	<W	NR	<W			0.003	0.05
44 (MET)		T	<W	<W	<W	<W	0.004	0.005	NR	<W			mg/L	mg/L

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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26				
45 PH	R	8.31	8.25	8.35	UR	8.21	7.89	7.89	8.12				
45 (LAB)	T	7.48	7.68	7.51	7.72	7.43	1NR	7.10	7.68				
46 PHOSPHORUS FILTERED REACTIVE	R	AD	<W	<W	UR	<W	<W	NR	<W			0.01	
46 (LAB) mg/L	T	AD	<W	<W	<W	<W	1NR	NR	<W			mg/L	
47 PHOSPHORUS TOTAL	R	0.02<T	0.04<T	0.02<T	UR	<W	0.09<T	NR	<W			0.01	
47 (LAB) mg/L	T	0.02<T	0.02<T	<W	<W	<W	1NR	NR	<W			mg/L	
48 ALDRIN	R	<W	<W	<W	<W	<W	<W	<W	LA			1	700
48 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L **
49 ALPHA BHC	R	<W	<W	<W	<W	3<T	2<T	2<T	LA			1	700
49 (PST) ng/L	T	<W	<W	<W	<W	5<T	2<T	NS	2<T			ng/L	ng/L c
50 BETA BHC	R	<W	<W	<W	<W	<W	<W	<W	LA			1	300
50 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	NS	2<T			ng/L	ng/L c
51 LINDANE	R	<W	<W	<W	<W	<W	<W	<W	LA			1	4000
51 (PST) ng/L	T	<W	<W	<W	<W	2<T	1<T	NS	<W			ng/L	ng/L
52 ALPHA CHLORDANE	R	<W	<W	<W	<W	<W	<W	<W	LA			2	700
52 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L ***
53 GAMMA CHLORDANE	R	<W	<W	<W	<W	<W	<W	<W	LA			2	700
53 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L ***
54 DIELDRIN	R	<W	<W	<W	<W	<W	<W	<W	LA			2	700
54 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L **
55 METHOXYCHLOR	R	<W	<W	<W	<W	<W	<W	<W	LA			5	100000
55 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L

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PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26				
56 ENDRIN		R <W	<W	<W	<W	<W	<W	<W	LA			4	200
56 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L
57 THIODAN SULPHATE		R <W	<W	<W	<W	<W	<W	<W	LA			4	
57 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	NS	<W			ng/L	
58 THIODAN I		R <W	<W	<W	<W	<W	<W	<W	LA			2	74000
58 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L ea
59 THIODAN II		R <W	<W	<W	<W	<W	<W	<W	LA			4	74000
59 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L ea
60 METHYLPARATHION		R -	-	-	-	-	+	+	+			50	7000
60 (SPC)		T -	-	-	-	-	+	+	+			ng/L	ng/L
61 PARATHION		R -	-	-	-	-	+	+	+			50	35000
61 (SPC)		T -	-	-	-	-	+	+	+			ng/L	ng/L
62 HEPTACHLOR EPOXIDE		R <W	<W	<W	<W	<W	<W	<W	LA			1	3000 +++
62 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L
63 HEPTACHLOR		R <W	<W	<W	<W	<W	<W	<W	LA			1	3000
63 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	NS	3>T			ng/L	ng/L +++
64 MIREX		R <W	<W	<W	<W	<W	<W	<W	LA			5	
64 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	NS	<W			ng/L	
65 OXYCHLORDANE		R <W	<W	<W	<W	<W	<W	<W	LA			2	
65 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	NS	<W			ng/L	
66 O,P,-DDT		R <W	<W	<W	<W	<W	<W	<W	LA			5	30000
66 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L d

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PARAMETERS			D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26				
67 PCB		R	<W	<W	<W	<W	<W	<W	<W	LA			20	3000
67 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L t
68 P,P-DDD		R	<W	<W	<W	<W	<W	<W	<W	LA			5	d
68 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	
69 P,P-DDE		R	<W	<W	<W	<W	<W	<W	<W	LA			1	d
69 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	
70 P,P-DDT		R	<W	<W	<W	<W	<W	<W	<W	LA			5	d
70 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	
71 AMETRINE		R	+	<W	+	+	<W	+	+	+			50	
71 (SPC)	ng/L	T	+	<W	+	+	<W	+	+	+			ng/L	
72 ATRAZINE		R	+	<W	+	+	<W	+	+	+			50	
72 (SPC)	ng/L	T	+	<W	+	+	<W	+	+	+			ng/L	
73 DIAZINON		R	+	+	+	+	NS	+	+	+			50	14000
73 (SPC)	ng/L	T	+	+	+	+	NS	+	+	+			ng/L	ng/L
74 BLADEX		R	+	+	+	+	<W	+	+	+			100	
74 (SPC)	ng/L	T	+	+	+	+	<W	+	+	+			ng/L	
75 PROMETONE		R	+	+	+	+	<W	+	+	+			50	
75 (SPC)	ng/L	T	+	+	+	+	<W	+	+	+			ng/L	
76 PROPАЗINE		R	+	+	+	+	<W	+	+	+			50	
76 (SPC)	ng/L	T	+	+	+	+	<W	+	+	+			ng/L	
77 PROMETRYNE		R	+	+	+	+	<W	+	+	+			50	
77 (SPC)	ng/L	T	+	+	+	+	<W	+	+	+			ng/L	

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26		
78 SENCOR		R	+	<W	+	+	<W	+	+	+	100	
78 (SPC)	ng/L	T	+	<W	+	+	<W	+	+	+	ng/L	
79 SIMAZINE		R	+	<W	+	+	<W	+	+	+	50	
79 (SPC)	ng/L	T	+	<W	+	+	<W	+	+	+	ng/L	
80 DICAMBA		R	+	+	+	+	+	+	+	+	100	
80 (SPC)	ng/L	T	+	+	+	+	+	+	+	+	ng/L	
81 PICLORAM		R	+	<W	+	+	<W	+	+	+	100	
81 (SPC)	ng/L	T	+	<W	+	+	<W	+	+	+	ng/L	
82 SILVEX		R	+	<W	+	+	<W	+	+	+	50	10000
82 (SPC)	ng/L	T	+	<W	+	+	<W	+	+	+	ng/L	ng/L
83 2,4-D		R	+	+	+	+	+	+	+	+	100	100000
83 (SPC)	ng/L	T	+	+	+	+	+	+	+	+	ng/L	ng/L
84 2,4-D BUTYRIC ACID		R	+	<W	+	+	<W	+	+	+	200	
84 (SPC)	ng/L	T	+	<W	+	+	<W	+	+	+	ng/L	
85 2,4-D PROPIONIC ACID		R	+	+	+	+	+	+	+	+	100	
85 (SPC)	ng/L	T	+	+	+	+	+	+	+	+	ng/L	
86 2,4,5-T		R	+	+	+	+	+	+	+	+	50	
86 (SPC)	ng/L	T	+	+	+	+	+	+	+	+	ng/L	
87 TOTAL SOLIDS		R	144	164	146	UR	144	330	212	148	1	
87 (LAB)	mg/L	T	150	142	155	148	151	1NR	202	151	mg/L	
88 SELENIUM		R	<.001	<.001	<.001	<.001	<.001	<W	<W	<W	0.001	0.01
88 (MET)	mg/L	T	<.001	<.001	<.001	<.001	<.001	<W	<W	<W	mg/L	mg/L

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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26				
89 STRONTIUM	R	0.092	0.097	0.110	0.088	0.100	0.24	NR	0.09			0.001	
89 (MET) mg/L	T	0.072	0.098	0.110	0.086	0.100	0.21	NR	0.10			mg/L	
90 TOTAL COLIFORM MF	R	100	600	1100	1700A3C	2000	9300	NR	800			0	ODWO
90 (BAC) count/100mL	T	LA	0	0	1	0	0	NR	0				Bacti
91 TOTAL COLIFORM BACKGROUND MF	R	16000	18500	5500	34000	3900	160000	NR	2000			0	OWDO
91 (BAC) count/100mL	T	LA	0	0	3	0	0	NR	0				Bacti
92 TURBIDITY	R	9.1	15.0	3.8	UR	3.6	31	56	4.1			0.01	1
92 (LAB) FTU	T	0.21<T	0.39<T	0.19<T	0.15<T	0.10<T	1NR	1.72	0.30<T			FTU	FTU
93 URANIUM	R	<W	<W	<W	<W	<W	<W	NR	<0.002			0.002	.02
93 (MET) mg/L	T	<W	<W	<W	<W	<W	<W	NR	<0.002			mg/L	mg/L t
94 VANADIUM	R	<W	0.001	0.001	<W	<W	0.003	NR	0.001			0.001	
94 (MET) mg/L	T	<W	<W	0.001	0.001	<W	0.001	NR	0.001			mg/L	
95 HEXACHLOROBUTADIENE	R	<W	<W	<W	<W	<W	7<T	<W	LA			1	4500
95 (CHA) ng/L	T	<W	<W	<W	<W	<W	2<T	NS	<W			ng/L	ng/L e
96 1,1-DICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	.3
96 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ug/L	ug/L h
97 METHYLENE CHLORIDE	R	<W	<W	<W	<W	<W	CS	<W	CS			5	40
97 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	CS			ug/L	ug/L c
98 T,1,2-DICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	
98 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ug/L	
99 1,1-DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	
99 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ug/L	

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PARAMETERS			D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26				
100 CHLOROFORM	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	350
100 (VOL) ug/L	T	21	21	22	35	26	44	NS	11				ug/L	ug/L ++
101 DICHLOROMETHANE	R	<W	<W	<W	<W	<W	CS	<W	CS				5	40
101 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	CS				ug/L	ug/L c
102 1,1,1-TRICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	
102 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W				ug/L	
103 DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	
103 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W				ug/L	
104 1,2-DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	10
104 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W				ug/L	ug/L h
105 CARBON TETRACHLORIDE	R	1	<W	<W	1	<W	1	1	1				1	3
105 (VOL) ug/L	T	1	<W	<W	<W	<W	1	NS	1				ug/L	ug/L h
106 1,2 DICHLOROPROPANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	6
106 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W				ug/L	ug/L ep
107 TRICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	30
107 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W				ug/L	ug/L h
108 DICHLOROBROMOMETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	350
108 (VOL) ug/L	T	9	15	10	14	11	25	NS	9				ug/L	ug/L ++
109 1,1,2-TRICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	6
109 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W				ug/L	ug/L e
110 CHLORODIBROMOMETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	350
110 (VOL) ug/L	T	<W	<W	<W	<W	<W	20	NS	13				ug/L	ug/L ++

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PARAMETERS			D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26				
111 TETRACHLOROETHYLENE	R	<W	<W	<W	<W	4	<W	<W	<W	<W			1	10
111 (VOL) ug/L	T	<W	<W	<W	3<T	<W	<W	<W	NS	<W			ug/L	ug/L h
112 BROMOFORM	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	350
112 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	NS	<W			ug/L	ug/L ++
113 1,1,2,2-TETRACHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	1.7
113 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	NS	<W			ug/L	ug/L e
114 HEXACHLOROENZENE	R	<W	<W	2<T	7<T	2<T	<W	<W	<W	LA			1	10
114 (PST) ng/L	T	<W	<W	<W	3<T	3<T	<W	<W	NS	<W			ng/L	ng/L h
115 HEXACHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W	LA			1	19000
115 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L e
116 OCTACHLOROSTYRENE	R	<W	<W	<W	<W	<W	<W	<W	<W	LA			1	
116 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	
117 PENTACHLOROENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	LA			1	74000
117 (CHA) ng/L	T	<W	<W	<W	2<T	<W	2<T	<W	NS	<W			ng/L	ng/L e
118 TOTAL TRIHALOMETHANES	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			3	350
118 (VOL) ug/L	T	33	43	43	63	47	89	NS	NS	33			ug/L	ug/L ++
119 2,3,6-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W	LA			5	
119 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	
120 2,4,5-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W	LA			5	10000
120 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	NS	23<T			ng/L	ng/L g
121 2,6,A-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W	LA			5	
121 (CHA) mg/L	T	<W	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	

WALLACEBURG WATER TREATMENT PLANT
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PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26				
122 CHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	100-300
122 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L h*
123 1,4-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	400
123 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ug/L	ug/L e
124 1,3-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	400
124 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ug/L	ug/L e
125 1,2-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	400
125 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ug/L	ug/L e
126 TRIFLUOROCHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	
126 (CHA) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ug/L	
127 1,2,3-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	LA			5	10000
127 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L y
128 1,2,3,4-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	LA			1	38000
128 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L e
129 1,2,3,5-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	LA			1	
129 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	
130 1,2,4-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	LA			5	15000
130 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	NS	40<T			ng/L	ng/L y
131 1,2,4,5-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	LA			1	38000
131 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L e
132 1,3,5-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	LA			5	10000
132 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ng/L	ng/L y

WALLACEBURG WATER TREATMENT PLANT
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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATE OBJ/ GUIDELINE ¹
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26		
133 PENTACHLOROPHENOL	R	+	<W	+	+	<W	+	+	+		50	10000
133 (CHP) ng/L	T	+	<W	+	+	<W	+	+	+		ng/L	ng/L h
134 2,3,4-TRICHLOROPHENOL	R	+	<W	+	+	<W	+	+	+		100	
134 (CHP) ng/L	T	+	<W	+	+	<W	+	+	+		ng/L	
135 2,3,4,5-TETRACHLOROPHENOL	R	+	<W	+	+	<W	+	+	+		50	
135 (CHP) ng/L	T	+	<W	+	+	<W	+	+	+		ng/L	
136 2,3,5,6-TETRACHLOROPHENOL	R	+	<W	+	+	<W	+	+	+		50	
136 (CHP) ng/L	T	+	<W	+	+	<W	+	+	+		ng/L	
137 2,4,5-TRICHLOROPHENOL	R	+	<W	+	+	<W	+	+	+		50	
137 (CHP) ng/L	T	+	<W	+	+	<W	+	+	+		ng/L	
138 2,4,6-TRICHLOROPHENOL	R	+	<W	+	+	<W	+	+	+		50	10000
138 (CHP) ng/L	T	+	<W	+	+	<W	+	+	+		ng/L	ng/L h
139 ZINC	R	0.003	0.005	0.004	0.002	0.004	0.008	NR	0.004		0.001	5
139 (MET) mg/L	T	0.001	0.018	0.013	0.032	0.036	0.037	NR	0.005		mg/L	mg/L h

LAB - Chemistry (LAB)

FLD - Chemistry (FIELD)

BAC - Bacteriological

INR - SAMPLE NOT RECEIVED AT LAB

IIA - SAMPLE SPOILED IN LAB ACCIDENT

MET - Metal

VOL - Volatiles

PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics

CHP - Chlorophenols

SPC - Specific Pesticides

TABLE A

WALPOLE ISLAND WATER TREATMENT PLANT
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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			NOV 6	NOV 15	NOV 25							
1 ALKALINITY		R	83.8	81.2	79.8						0.2	
1 (LAB)	mg/L	T	75.6	72.0	70.4						mg/L	
2 ALUMINUM		R	0.250	NR	0.021						0.003	
2 (MET)	mg/L	T	0.089	NR	0.021						mg/L	
3 ARSENIC		R	<W	<W	<W						0.001	0.05
3 (MET)	mg/L	T	<W	<W	<W						mg/L	mg/L
4 BARIUM		R	0.018	NR	0.011						0.001	1
4 (MET)	mg/L	T	0.016	NR	0.012						mg/L	mg/L
5 BORON		R	<W	NR	0.14						0.02	5
5 (MET)	mg/L	T	<W	NR	0.03						mg/L	mg/L
6 BERYLLIUM		R	<W	NR	<W						0.001	
6 (MET)	mg/L	T	<W	NR	<W						mg/L	
7 BENZENE		R	<W	1	<W						1	10
7 (VOL)	ug/L	T	<W	1	<W						ug/L	ug/L h
8 TOLUENE		R	<W	<W	<W						1	14300
8 (VOL)	ug/L	T	<W	<W	<W						ug/L	ug/L e
9 ETHYLBENZENE		R	<W	<W	<W						1	1400
9 (VOL)	ug/L	T	<W	<W	<W						ug/L	ug/L e
10 P-XYLENE		R	<W	<W	<W						1	620
10 (VOL)	ug/L	T	<W	<W	<W						ug/L	ug/L e
11 M-XYLENE		R	<W	<W	<W						1	620
11 (VOL)	ug/L	T	<W	<W	<W						ug/L	ug/L c

WALPOLE ISLAND WATER TREATMENT PLANT
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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		NOV 6	NOV 15	NOV 25									
23 IRON		R 0.410	NR	0.043								0.002 mg/L	0.3 mg/L
23 (MET)	mg/L	T 0.019	NR	0.010									
24 FLUORIDE		R 0.08	0.08	0.07								0.01 mg/L	2.4 mg/L
24 (LAB)	mg/L	T 0.07	0.07	0.06									
25 FIELD CHLORINE (COMBINED)		R NA	NA	NA									
25 (FLD)		T 0.5	NS	0.2									
26 FIELD CHLORINE (FREE)		R NA	NA	NA									
26 (FLD)		T 1.5	NS	0.7									
27 FIELD CHLORINE (TOTAL)		R NA	NA	NA									
27 (FLD)		T 2.0	NS	0.9									
28 FIELD PH		R 7.9	NS	7.9									
28 (FLD)		T 7.7	NS	7.4									
29 FIELD TEMPERATURE		R NS	NS	NS									
29 (FLD)		T NS	NS	NS									
30 FIELD TURBIDITY		R 17.1	NS	1.8									1 FTU
30 (FLD)		T 0.64	NS	NS									
31 HARDNESS		R 103	97.5	97.9								0.5 mg/L	
31 (LAB)	mg/L	T 102	101	99.8									
32 STANDARD PLATE COUNT MF		R OP	NR	1300								0	500 orga-
32 (BAC)	count/mL	T 31	NR	0									
33 MERCURY		R <W	NR	<W								0.01 ug/L	1 ug/L
33 (MET)	ug/L	T <W	NR	0.01									

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			NOV 6	NOV 15	NOV 25							
34 MAGNESIUM		R	7.70	7.30	7.10						0.05	
34 (LAB)	mg/L	T	7.60	7.45	7.15						mg/L	
35 MANGANESE		R	<W	NR	0.001						0.001	0.05
35 (MET)	mg/L	T	0.001	NR	0.001						mg/L	mg/L
36 MOLYBDENUM		R	<W	NR	0.001						0.001	0.25
36 (MET)	mg/L	T	0.001	NR	0.002						mg/L	mg/L
37 SODIUM		R	5.5	6.2	5.5						0.1	
37 (LAB)	mg/L	T	5.5	6.5	5.5						mg/L	
38 NICKEL		R	<W	NR	<W						0.002	
38 (MET)	mg/L	T	<W	NR	<W						mg/L	
39 AMMONIUM TOTAL		R	<W	NR	<W						0.05	
39 (LAB)	mg/L	T	<W	NR	<W						mg/L	
40 NITRITE		R	0.01<T	<W	0.01<T						0.005	1 mg/L
40 (LAB)	mg/L	T	<W	<W	<W						mg/L	as N
41 NITRATE		R	0.50	0.35	0.25<T						0.05	10 mg/L
41 (LAB)	mg/L	T	0.40	0.40	0.25<T						mg/L	as N
42 NITROGEN TOTAL KJELDAHL		R	NR	0.20<T	0.20<T						0.1	0.15
42 (LAB)	mg/L	T	NR	<W	<W						mg/L	mg/L *
43 PRESENCE/ABSENCE		R	NA	NA	NA						0	Absent
43 (BAC)		T	ABSENT	NR	ABSENT							
44 LEAD		R	<W	NR	<W						0.003	0.05
44 (MET)	mg/L	T	<W	NR	<W						mg/L	mg/L

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			NOV 6	NOV 15	NOV 25							
56 ENDRIN		R	<W	<W	<W						4	200
56 (PST)	ng/L	T	<W	<W	<W						ng/L	ng/L
57 THIODAN SULPHATE		R	<W	<W	<W						4	
57 (PST)	ng/L	T	<W	<W	<W						ng/L	
58 THIODAN I		R	<W	<W	<W						2	74000
58 (PST)	ng/L	T	<W	<W	<W						ng/L	ng/L ea
59 THIODAN II		R	<W	<W	<W						4	74000
59 (PST)	ng/L	T	<W	<W	<W						ng/L	ng/L ea
60 METHYLPARATHION		R									50	7000
60 (SPC)		T									ng/L	ng/L
61 PARATHION		R									50	35000
61 (SPC)		T									ng/L	ng/L
62 HEPTACHLOR EPOXIDE		R	<W	<W	<W						1	3000 +++
62 (PST)	ng/L	T	<W	<W	<W						ng/L	ng/L
63 HEPTACHLOR		R	<W	<W	<W						1	3000
63 (PST)	ng/L	T	<W	<W	4<T						ng/L	ng/L +++
64 MIREX		R	<W	<W	<W						5	
64 (PST)	ng/L	T	<W	<W	<W						ng/L	
65 OXYCHLORDANE		R	<W	<W	<W						2	
65 (PST)	ng/L	T	<W	<W	<W						ng/L	
66 O,P,-DDT		R	<W	<W	<W						5	30000
66 (PST)	ng/L	T	<W	<W	<W						ng/L	ng/L d

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			NOV 6	NOV 15	NOV 25							
67 PCB		R	<W	<W	<W						20	3000
67 (PST)	ng/L	T	<W	<W	<W						ng/L	ng/L t
68 P,P-DDD		R	<W	<W	<W						5	d
68 (PST)	ng/L	T	<W	<W	<W						ng/L	
69 P,P-DDE		R	<W	<W	<W						1	d
69 (PST)	ng/L	T	<W	<W	<W						ng/L	
70 P,P-DDT		R	<W	<W	<W						5	d
70 (PST)	ng/L	T	<W	<W	<W						ng/L	
71 AMETRINE		R	<W	+	+						50	
71 (SPC)	ng/L	T	<W	+	+						ng/L	
72 ATRAZINE		R	<W	+	+						50	
72 (SPC)	ng/L	T	<W	+	+						ng/L	
73 DIAZINON		R	NS	+	+						50	14000
73 (SPC)	ng/L	T	NS	+	+						ng/L	ng/L
74 BLADEX		R	<W	+	+						100	
74 (SPC)	ng/L	T	<W	+	+						ng/L	
75 PROMETONE		R	<W	+	+						50	
75 (SPC)	ng/L	T	<W	+	+						ng/L	
76 PROPAZINE		R	<W	+	+						50	
76 (SPC)	ng/L	T	<W	+	+						ng/L	
77 PROMETRYNE		R	<W	+	+						50	
77 (SPC)	ng/L	T	<W	+	+						ng/L	

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PARAMETERS		D A T E									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		NOV 6	NOV 15	NOV 25								
111 TETRACHLOROETHYLENE	R	<W	<W	<W							1	10
111 (VOL) ug/L	T	<W	<W	<W							ug/L	ug/L h
112 BROMOFORM	R	<W	<W	<W							1	350
112 (VOL) ug/L	T	<W	<W	<W							ug/L	ug/L ++
113 1,1,2,2-TETRACHLOROETHANE	R	<W	<W	<W							1	1.7
113 (VOL) ug/L	T	<W	<W	<W							ug/L	ug/L e
114 HEXACHLOROBENZENE	R	<W	32	<W							1	10
114 (PST) ng/L	T	2<T	<W	<W							ng/L	ng/L h
115 HEXACHLOROETHANE	R	<W	<W	<W							1	19000
115 (CHA) ng/L	T	8<T	<W	<W							ng/L	ng/L e
116 OCTACHLOROSTYRENE	R	<W	<W	<W							1	
116 (CHA) ng/L	T	<W	<W	<W							ng/L	
117 PENTACHLOROBENZENE	R	<W	<W	<W							1	74000
117 (CHA) ng/L	T	4<T	<W	<W							ng/L	ng/L e
118 TOTAL TRIHALOMETHANES	R	<W	<W	<W							3	350
118 (VOL) ug/L	T	65	38	42							ug/L	ug/L ++
119 2,3,6-TRICHLOROTOLUENE	R	<W	<W	<W							5	
119 (CHA) ng/L	T	<W	<W	14<T							ng/L	
120 2,4,5-TRICHLOROTOLUENE	R	<W	<W	<W							5	10000
120 (CHA) ng/L	T	<W	<W	<W							ng/L	ng/L g
121 2,6-A-TRICHLOROTOLUENE	R	<W	<W	<W							5	
121 (CHA) mg/L	T	<W	<W	<W							ng/L	

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PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		NOV 6	NOV 15	NOV 25									
133 PENTACHLOROPHENOL	R <W		+	+								50	10000
133 (CHP) ng/L	T <W		+	+								ng/L	ng/L h
134 2,3,4-TRICHLOROPHENOL	R <W		+	+								100	
134 (CHP) ng/L	T <W		+	+								ng/L	
135 2,3,4,5-TETRACHLOROPHENOL	R <W		+	+								50	
135 (CHP) ng/L	T <W		+	+								ng/L	
136 2,3,5,6-TETRACHLOROPHENOL	R <W		+	+								50	
136 (CHP) ng/L	T <W		+	+								ng/L	
137 2,4,5-TRICHLOROPHENOL	R <W		+	+								50	
137 (CHP) ng/L	T <W		+	+								ng/L	
138 2,4,6-TRICHLOROPHENOL	R <W		+	+								50	10000
138 (CHP) ng/L	T <W		+	+								ng/L	ng/L h
139 ZINC	R 0.005	NR		0.004								0.001	5
139 (MET) mg/L	T 0.004	NR		0.005								mg/L	mg/L h

LAB - Chemistry (LAB)
FLD - Chemistry (FIELD)
BAC - Bacteriological

MET - Metal
VOL - Volatiles
PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics
CHP - Chlorophenols
SPC - Specific Pesticides

TABLE A

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PARAMETERS			DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUL 15	AUG 16	SEP 16	OCT 21	NOV 21							
1 ALKALINITY		R	1NR	1NR	91.6	91.2	92.8						0.2	
1 (LAB)	mg/L	T	76.6	75.0	79.8	67.2	80.2						mg/L	
2 ALUMINUM		R	0.091	1NR	0.200	2.300	1.00						0.003	
2 (MET)	mg/L	T	0.170	75.0	0.190	0.200	0.10						mg/L	
3 ARSENIC		R	<W	1NR	<W	<W	<W						0.001	0.05
3 (MET)	mg/L	T	<W	<W	<W	<W	<W						mg/L	mg/L
4 BARIUM		R	0.048	1NR	0.015	0.023	0.017						0.001	1
4 (MET)	mg/L	T	0.014	0.010	0.014	0.014	0.013						mg/L	mg/L
5 BORON		R	0.10	1NR	0.07	0.02	0.02						0.02	5
5 (MET)	mg/L	T	0.15	0.03	0.02	0.01	<W						mg/L	mg/L
6 BERYLLIUM		R	<W	1NR	<W	<W	<W						0.001	
6 (MET)	mg/L	T	<W	<W	<W	<W	<W						mg/L	
7 BENZENE		R	<W	1NR	<W	<W	<W						1	10
7 (VOL)	ug/L	T	<W	<W	<W	<W	<W						ug/L	ug/L h
8 TOLUENE		R	<W	1NR	<W	<W	<W						1	14300
8 (VOL)	ug/L	T	<W	<W	<W	<W	<W						ug/L	ug/L e
9 ETHYLBENZENE		R	<W	1NR	<W	<W	<W						1	1400
9 (VOL)	ug/L	T	<W	<W	<W	<W	<W						ug/L	ug/L e
10 P-XYLENE		R	<W	1NR	<W	<W	<W						1	620
10 (VOL)	ug/L	T	<W	<W	<W	<W	<W						ug/L	ug/L e
11 M-XYLENE		R	<W	1NR	<W	<W	<W						1	620
11 (VOL)	ug/L	T	<W	<W	<W	<W	<W						ug/L	ug/L c

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUL 15	AUG 16	SEP 16	OCT 21	NOV 21					
12 O-XYLENE		R	<W	1NR	<W	<W	<W				1 ug/L	620
12 (VOL)	ug/L	T	<W	<W	<W	<W	<W					ug/L c
13 CALCIUM		R	1NR	1NR	31.6	32.0	34.5				0.1 mg/L	
13 (LAB)	mg/L	T	27.5	27.0	31.6	32.2	33.8					
14 CYANIDE		R	<W	1NR	<W	NR	<W				0.001	0.2
14 (MET)	ug/L	T	<W	<W	<W	NR	<W				mg/L	mg/L
15 CADMIUM		R	<W	1NR	<W	<W	<W				0.0003	0.005
15 (MET)	mg/L	T	<W	<W	<W	<W	<W				mg/L	mg/L
16 CHLORIDE		R	1NR	1NR	10.4	9.2	10.2				0.2	250
16 (LAB)	mg/L	T	10.0	9.2	12.4	10.8	11.8				mg/L	mg/L
17 COLOUR	TCU	R	1NR	1NR	15.0	27.5	16.0				0.5	5
17 (LAB)		T	0.5<T	1<T	2.0	1.0<T	.5<T				TCU	TCU
18 CONDUCTIVITY		R	1NR	1NR	255	248	265.				0.01	
18 (LAB)	umho/cm	T	222	220	255	258	269.				UMHO/CM	
19 COBALT		R	0.001	1NR	<W	0.003	0.001				0.001	
19 (MET)	mg/L	T	<W	<W	<W	<W	<W				mg/L	
20 CHROMIUM		R	0.004	1NR	0.002	0.006	0.004				0.001	0.05
20 (MET)	mg/L	T	0.002	0.001	0.002	0.002	0.002				mg/L	mg/L
21 COPPER		R	0.006	1NR	0.008	0.016	0.007				0.001L	1
21 (MET)	mg/L	T	0.007	0.003	0.004	0.004	0.007				mg/L	mg/L
22 F. COLIFORM MF		R	1NR	1NR	63	OP	>300				0	0/0.1L
22 (BAC) count/100mL		T	NA	NA	NA	NA	NA					mL

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUL 15	AUG 16	SEP 16	OCT 21	NOV 21					
23 IRON		R	0.005	1NR	0.230	2.300	1.100				0.002	0.3
23 (MET)	mg/L	T	0.012	0.012	0.027	0.042	<W				mg/L	mg/L
24 FLUORIDE		R	1NR	1NR	0.10	0.12	0.12				0.01	2.4
24 (LAB)	mg/L	T	1.01	1.09	1.15	1.12	0.89				mg/L	mg/L
25 FIELD CHLORINE (COMBINED)		R	NA	NA	NA	NA	NA					
25 (FLD)		T	0.22	0.40	0	0	0					
26 FIELD CHLORINE (FREE)		R	NA	NA	NA	NA	NA					
26 (FLD)		T	1.00	1.20	1.45	1.2	0					
27 FIELD CHLORINE (TOTAL)		R	NA	NA	NA	NA	NA					
27 (FLD)		T	1.20	1.60	1.45	1.2	1.0					
28 FIELD PH		R	7.70	7.82	7.93	7.85	7.95					
28 (FLD)		T	7.50	7.50	7.30	7.00	7.2					
29 FIELD TEMPERATURE (°C)		R	22.3	23.0	20.0	15.3	10.0					
29 (FLD)		T	22.0	23.0	20.0	15.5	10.0					
30 FIELD TURBIDITY		R	9.00	8.00	11.0	54.0	36.0					1 FTU
30 (FLD)	(NTU)	T	0.66	0.77	0.67	0.49	0.74					
31 HARDNESS		R	1NR	1NR	111.8	113.0	120.0				0.5	
31 (LAB)	mg/L	T	98.3	97.1	111.6	118.0	119.0				mg/L	
32 STANDARD PLATE COUNT MF		R	1NR	NR	>2400	>2400	>2400				0	500 orga-
32 (BAC)	count/mL	T	1NR	NR	27	8	0					nisms per
33 MERCURY		R	<W	1NR	0.01	0.02	0.02				0.01	1
33 (MET)	ug/L	T	0.01	0.03	0.01	0.02	0.01				ug/L	ug/L

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PARAMETERS			D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUL 15	AUG 16	SEP 16	OCT 21	NOV 21							
34 MAGNESIUM		R	1NR	1NR	8.0	8.0	8.35						0.05	
34 (LAB)	mg/L	T	7.2	7.2	8.0	7.8	8.35						mg/L	
35 MANGANESE		R	0.032	1NR	0.01	0.051	0.021						0.001	0.05
35 (MET)	mg/L	T	0.002	0.001	0.003	0.002	0.001						mg/L	mg/L
36 MOLYBDENUM		R	0.004	1NR	0.001	0.002	0.001						0.001	0.25
36 (MET)	mg/L	T	0.002	0.001	0.001	0.002	0.001						mg/L	mg/L
37 SODIUM		R	1NR	1NR	6.2	6.1	6.0						0.1	
37 (LAB)	mg/L	T	5.0	4.8	6.0	5.6	6.3						mg/L	
38 NICKEL		R	<W	1NR	<W	0.006	0.003						0.002	
38 (MET)	mg/L	T	0.002	<W	<W	0.002	<W						mg/L	
39 AMMONIUM TOTAL		R	1NR	1NR	<W	<W	NR						0.05	
39 (LAB)	mg/L	T	<W	<W	<W	<W	NR						mg/L	
40 NITRITE		R	1NR	1NR	0.01<T	<W	.015<T						0.005	1 mg/L
40 (LAB)	mg/L	T	<W	0.01<T	<W	<W	<W						mg/L	as N
41 NITRATE		R	1NR	1NR	0.5	0.6	0.88						0.05	10 mg/L
41 (LAB)	mg/L	T	+	NR	0.4	0.5	0.90						mg/L	as N
42 NITROGEN TOTAL KJELDAHL		R	1NR	1NR	0.3<T	0.6<T	NR						0.1	0.15
42 (LAB)	mg/L	T	<W	<W	0.3<T	0.2<T	NR						mg/L	mg/L *
43 PRESENCE/ABSENCE		R	NA	NA	NA	NA	NA						0	Absent
43 (BAC)		T	ABSENT	1NR	ABSENT	ABSENT	ABSENT							
44 LEAD	mg/L	R	<W	1NR	0.007	0.01	0.006						0.003	0.05
44 (MET)		T	<W	<W	<W	<W	<W						mg/L	mg/L

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PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		JUL 15	AUG 16	SEP 16	OCT 21	NOV 21							
45 PH	R	1NR	1NR	7.08	8.22	8.30							
45 (LAB)	T	7.49	8.25	7.38	7.02	7.61							
46 PHOSPHATES FRAC REACTIVE	R	1NR	1NR	<W	<W	NR						0.01	
46 (LAB) mg/L	T	<W	<W	<W	<W	NR						mg/L	
47 PHOSPHORUS TOTAL	R	1NR	1NR	0.04T	0.08<T	NR						0.01	
47 (LAB) mg/L	T	<W	<W	0.02<T	<W	NR						mg/L	
48 ALDRIN	R	<W	1NR	<W	<W	<W						1	700
48 (PST) ng/L	T	<W	<W	<W	<W	<W						ng/L	ng/L **
49 ALPHA BHC	R	<W	1NR	<W	3<T	2<T						1	700
49 (PST) ng/L	T	<W	<W	<W	3<T	5<T						ng/L	ng/L c
50 BETA BHC	R	<W	1NR	<W	<W	<W						1	300
50 (PST) ng/L	T	<W	<W	<W	<W	<W						ng/L	ng/L c
51 LINDANE	R	<W	1NR	<W	<W	<W						1	4000
51 (PST) ng/L	T	<W	<W	<W	<W	2<T						ng/L	ng/L
52 ALPHA CHLORDANE	R	<W	1NR	<W	<W	<W						2	700
52 (PST) ng/L	T	<W	<W	<W	<W	<W						ng/L	ng/L ***
53 GAMMA CHLORDANE	R	<W	1NR	<W	<W	<W						2	700
53 (PST) ng/L	T	<W	<W	<W	<W	<W						ng/L	ng/L ***
54 DIELDRIN	R	<W	1NR	<W	<W	<W						2	700
54 (PST) ng/L	T	<W	<W	<W	<W	<W						ng/L	ng/L **
55 METHOXYCHLOR	R	<W	1NR	<W	<W	<W						5	100000
55 (PST) ng/L	T	<W	<W	<W	<W	<W						ng/L	ng/L

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUL 15	AUG 16	SEP 16	OCT 21	NOV 21					
56 ENDRIIN		R	<W	1NR	<W	<W	<W				4	200
56 (PST)	ng/L	T	<W	<W	<W	<W	<W				ng/L	ng/L
57 THIODAN SULPHATE		R	<W	1NR	<W	<W	<W				4	
57 (PST)	ng/L	T	<W	<W	<W	<W	<W				ng/L	
58 THIODAN I		R	<W	1NR	<W	<W	<W				2	74000
58 (PST)	ng/L	T	<W	<W	<W	<W	<W				ng/L	ng/L ea
59 THIODAN II		R	<W	1NR	<W	<W	<W				4	74000
59 (PST)	ng/L	T	<W	<W	<W	<W	<W				ng/L	ng/L ea
60 METHYLPARATHION		R	+	+	+	+	+				50	7000
60 (SPC)	ng/L	T	+	+	+	+	+				ng/L	ng/L
61 PARATHION		R	+	+	+	+	+				50	35000
61 (SPC)		T	+	+	+	+	+				ng/L	ng/L
62 HEPTACHLOR EPOXIDE		R	<W	1NR	<W	<W	<W				1	3000 +++
62 (PST)	ng/L	T	<W	<W	<W	<W	<W				ng/L	ng/L
63 HEPTACHLOR		R	<W	1NR	<W	<W	<W				1	3000
63 (PST)	ng/L	T	<W	<W	<W	<W	2<T				ng/L	ng/L +++
64 MIREX		R	<W	1NR	<W	<W	<W				5	
64 (PST)	ng/L	T	<W	<W	<W	<W	<W				ng/L	
65 OXYCHLORDANE		R	<W	1NR	<W	<W	<W				2	
65 (PST)	ng/L	T	<W	<W	<W	<W	<W				ng/L	
66 O, P, -DDT		R	<W	1NR	<W	<W	<W				5	30000
66 (PST)	ng/L	T	<W	<W	<W	<W	<W				ng/L	ng/L d

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PARAMETERS			D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUL 15	AUG 16	SEP 16	OCT 21	NOV 21							
67 PCB		R	<W	1NR	<W	<W	<W						20	3000
67 (PST)	ng/L	T	<W	<W	<W	<W	<W						ng/L	ng/L t
68 P,P-DDD		R	<W	1NR	<W	<W	<W						5	d
68 (PST)	ng/L	T	<W	<W	<W	<W	<W						ng/L	
69 P,P-DDE		R	<W	1NR	<W	<W	<W						1	d
69 (PST)	ng/L	T	<W	<W	<W	<W	<W						ng/L	
70 P,P-DDT		R	<W	1NR	<W	<W	<W						5	d
70 (PST)	ng/L	T	<W	<W	<W	<W	<W						ng/L	
71 AMETRINE		R	+	+	+	<W	+						50	
71 (SPC)	ng/L	T	+	+	+	<W	+						ng/L	
72 ATRAZINE		R	+	+	+	<W	+						50	
72 (SPC)	ng/L	T	+	+	+	<W	+						ng/L	
73 DIAZINON		R	+	+	+	NS	+						50	14000
73 (SPC)	ng/L	T	+	+	+	NS	+						ng/L	ng/L
74 BLADEX		R	+	+	+	<W	+						100	
74 (SPC)	ng/L	T	+	+	+	<W	+						ng/L	
75 PROMETONE		R	+	+	+	<W	+						50	
75 (SPC)	ng/L	T	+	+	+	<W	+						ng/L	
76 PROPAZINE		R	+	+	+	<W	+						50	
76 (SPC)	ng/L	T	+	+	+	<W	+						ng/L	
77 PROMETRYNE		R	+	+	+	<W	+						50	
77 (SPC)	ng/L	T	+	+	+	<W	+						ng/L	

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PARAMETERS			D A T E								DET. LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUL 15	AUG 16	SEP 16	OCT 21	NOV 21					
78 SENCOR		R +	+	+	+	<W	+				100	
78 (SPC)	ng/L	T +	+	+	+	<W	+				ng/L	
79 SIMAZINE		R +	+	+	+	<W	+				50	
79 (SPC)	ng/L	T +	+	+	+	<W	+				ng/L	
80 DICAMBA		R +	+	+	+	<W	+				100	
80 (SPC)	ng/L	T +	+	+	+	<W	+				ng/L	
81 PICLORAM		R +	+	+	+	<W	+				100	
81 (SPC)	ng/L	T +	+	+	+	<W	+				ng/L	
82 SILVEX		R +	+	+	+	<W	+				50	10000
82 (SPC)	ng/L	T +	+	+	+	<W	+				ng/L	ng/L
83 2,4-D		R +	+	+	+	<W	+				100	100000
83 (SPC)	ng/L	T +	+	+	+	<W	+				ng/L	ng/L
84 2,4-D BUTYRIC ACID		R +	+	+	+	<W	+				200	
84 (SPC)	ng/L	T +	+	+	+	<W	+				ng/L	
85 2,4-D PROPIONIC ACID		R +	+	+	+	<W	+				100	
85 (SPC)	ng/L	T +	+	+	+	<W	+				ng/L	
86 2,4,5-T		R +	+	+	+	<W	+				50	
86 (SPC)	ng/L	T +	+	+	+	<W	+				ng/L	
87 TOTAL SOLIDS		R !NR	!NR	166	234	196					1	
87 (LAB)	mg/L	T 144	160	166	168	174					mg/L	
88 SELENIUM		R <W	!NR	<W	<W	<W					0.001	0.01
88 (MET)	mg/L	T <W	<W	<W	<W	<W					mg/L	mg/L

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUL 15	AUG 16	SEP 16	OCT 21	NOV 21					
89 STRONTIUM		R	0.2	1NR	0.13	0.12	0.12				0.001	
89 (MET)	mg/L	T	0.1	0.087	0.13	0.12	-.12				mg/L	
90 TOTAL COLIFORM MF		R	1NR	1NR	700A3C	2100A3C	4300A3C				0	ODWO
90 (BAC)	count/100mL	T	0	1NR	0	0	0					Bacti
91 TOTAL COLIFORM BACKGROUND MF		R	1NR	1NR	120000	40000	29000				0	OWDO
91 (BAC)	count/100mL	T	0	1NR	7	0	0					Bacti
92 TURBIDITY		R	1NR	NR	12.4	78	37				0.01	1
92 (LAB)	FTU	T	0.69<T	0.71<T	1.35	1.68	0.58<T				FTU	FTU
93 URANIUM		R	<W	1NR	<W	<W	<W				0.002	.02
93 (MET)	mg/L	T	<W	<W	<W	<W	<W				mg/L	mg/L t
94 VANADIUM		R	0.001	1NR	<W	0.003	0.001				0.001	
94 (MET)	mg/L	T	<W	<W	<W	<W	<W				mg/L	
95 HEXACHLOROBUTADIENE		R	<W	1NR	<W	<W	<W				1	4500
95 (CHA)	ng/L	T	<W	<W	<W	<W	4<T				ng/L	ng/L e
96 1,1-DICHLOROETHYLENE		R	<W	1NR	<W	<W	<W				1	.3
96 (VOL)	ug/L	T	<W	<W	<W	<W	<W				ug/L	ug/L h
97 METHYLENE CHLORIDE		R	<W	1NR	<W	<W	<W				5	40
97 (VOL)	ug/L	T	CS	<W	<W	<W	<W				ug/L	ug/L c
98 T,1,2-DICHLOROETHYLENE		R	<W	1NR	<W	<W	<W				1	
98 (VOL)	ug/L	T	<W	<W	<W	<W	<W				ug/L	
99 1,1-DICHLOROETHANE		R	<W	1NR	<W	<W	<W				1	
99 (VOL)	ug/L	T	<W	<W	<W	<W	<W				ug/L	

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
			JUL 15	AUG 16	SEP 16	OCT 21	NOV 21					
100 CHLOROFORM	R	48CS	1NR	<W	<W	<W					1	350
100 (VOL) ug/L	T	39	53	66	43	62					ug/L	ug/L ++
101 DICHLOROMETHANE	R	<W	1NR	<W	<W	<W					5	40
101 (VOL) ug/L	T	CS	<W	<W	<W	<W					ug/L	ug/L c
102 1,1,1-TRICHLOROETHANE	R	<W	1NR	<W	<W	<W					1	
102 (VOL) ug/L	T	<W	<W	<W	<W	<W					ug/L	
103 DICHLOROETHANE	R	<W	1NR	<W	<W	<W					1	
103 (VOL) ug/L	T	<W	<W	<W	<W	<W					ug/L	
104 1,2-DICHLOROETHANE	R	<W	1NR	<W	<W	<W					1	10
104 (VOL) ug/L	T	<W	<W	<W	<W	<W					ug/L	ug/L h
105 CARBON TETRACHLORIDE	R	<W	1NR	<W	<W	<W					1	3
105 (VOL) ug/L	T	<W	<W	<W	<W	<W					ug/L	ug/L h
106 1,2 DICHLOROPROPANE	R	<W	1NR	<W	<W	<W					1	6
106 (VOL) ug/L	T	<W	<W	<W	<W	<W					ug/L	ug/L ep
107 TRICHLOROETHYLENE	R	<W	1NR	<W	<W	<W					1	30
107 (VOL) ug/L	T	<W	<W	<W	<W	<W					ug/L	ug/L h
108 DICHLOROBROMOMETHANE	R	22CS	1NR	<W	<W	<W					1	350
108 (VOL) ug/L	T	15	16	17	14	14					ug/L	ug/L ++
109 1,1,2-TRICHLOROETHANE	R	<W	1NR	<W	<W	<W					1	6
109 (VOL) ug/L	T	<W	<W	<W	<W	<W					ug/L	ug/L e
110 CHLORODIBROMOMETHANE	R	20CS	1NR	<W	<W	<W					1	350
110 (VOL) ug/L	T	14	12	9	6	5					ug/L	ug/L ++

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PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		JUL 15	AUG 16	SEP 16	OCT 21	NOV 21							
111 TETRACHLOROETHYLENE	R	<W	1NR	<W	<W	<W						1	10
111 (VOL) ug/L	T	<W	<W	<W	<W	<W						ug/L	ug/L h
112 BROMOFORM	R	<W	1NR	<W	<W	<W						1	350
112 (VOL) ug/L	T	<W	<W	<W	<W	<W						ug/L	ug/L ++
113 1,1,2,2-TETRACHLOROETHANE	R	<W	1NR	<W	<W	<W						1	1.7
113 (VOL) ug/L	T	<W	<W	<W	<W	<W						ug/L	ug/L e
114 HEXACHLOROBENZENE	R	<W	1NR	<W	2<T	<W						1	10
114 (PST) ng/L	T	<W	<W	<W	<W	3<T						ng/L	ng/L h
115 HEXACHLOROETHANE	R	<W	1NR	<W	<W	5<T						1	19000
115 (CHA) ng/L	T	<W	<W	<W	<W	9<T						ng/L	ng/L e
116 OCTACHLOROSTYRENE	R	<W	1NR	<W	<W	<W						1	
116 (CHA) ng/L	T	<W	<W	<W	<W	<W						ng/L	
117 PENTACHLOROBENZENE	R	<W	1NR	<W	<W	<W						1	74000
117 (CHA) ng/L	T	10	<W	<W	<W	6<T						ng/L	ng/L e
118 TOTAL TRIHALOMETHANES	R	90CS	1NR	<W	<W	<W						3	350
118 (VOL) ug/L	T	68	81	92	63	81						ug/L	ug/L ++
119 2,3,6-TRICHLOROTOLUENE	R	<W	1NR	<W	<W	<W						5	
119 (CHA) ng/L	T	<W	<W	<W	12<T	CS						ng/L	
120 2,4,5-TRICHLOROTOLUENE	R	<W	1NR	<W	<W	<W						5	10000
120 (CHA) ng/L	T	<W	<W	<W	<W	<W						ng/L	ng/L g
121 2,6,A-TRICHLOROTOLUENE	R	<W	1NR	<W	<W	<W						5	
121 (CHA) ng/L	T	<W	4<T	<W	<W	<W						ng/L	

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PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE ¹
		JUL 15	AUG 16	SEP 16	OCT 21	NOV 21							
122 CHLOROBENZENE	R <W	1NR	<W	<W	<W	<W						1	100-300
122 (VOL) ug/L	T <W	<W	<W	<W	<W	<W						ng/L	ng/L h*
123 1,4-DICHLOROBENZENE	R <W	1NR	<W	<W	<W	<W						1	400
123 (VOL) ug/L	T <W	<W	<W	<W	<W	<W						ug/L	ug/L e
124 1,3-DICHLOROBENZENE	R <W	1NR	<W	<W	<W	<W						1	400
124 (VOL) ug/L	T <W	<W	<W	<W	<W	<W						ug/L	ug/L e
125 1,2-DICHLOROBENZENE	R <W	1NR	<W	<W	<W	<W						1	400
125 (VOL) ug/L	T <W	<W	<W	<W	<W	<W						ug/L	ug/L e
126 TRIFLUOROCHLOROTOLUENE	R <W	1NR	<W	<W	<W	<W						1	
126 (CHA) ug/L	T <W	<W	<W	<W	<W	<W						ug/L	
127 1,2,3-TRICHLOROBENZENE	R <W	1NR	<W	<W	<W	<W						5	10000
127 (CHA) ng/L	T <W	<W	<W	<W	<W	<W						ng/L	ng/L y
128 1,2,3,4-TETRACHLOROBENZENE	R <W	1NR	<W	<W	<W	<W						1	38000
128 (CHA) ng/L	T <W	<W	<W	<W	<W	<W						ng/L	ng/L e
129 1,2,3,5-TETRACHLOROBENZENE	R <W	1NR	<W	<W	<W	<W						1	
129 (CHA) ng/L	T <W	<5	<W	<W	<W	<W						ng/L	
130 1,2,4-TRICHLOROBENZENE	R <W	1NR	<W	<W	<W	<W						5	15000
130 (CHA) ng/L	T <W	<W	<W	<W	<W	<W						ng/L	ng/L y
131 1,2,4,5-TETRACHLOROBENZENE	R <W	1NR	<W	<W	<W	<W						1	38000
131 (CHA) ng/L	T <W	<W	<W	<W	<W	35						ng/L	ng/L e
132 1,3,5-TRICHLOROBENZENE	R <W	1NR	<W	<W	<W	<W						5	10000
132 (CHA) ng/L	T <W	<W	<W	<W	<W	<W						ng/L	ng/L y

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PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATE OBJ/ GUIDELINE ¹
		JUL 15	AUG 16	SEP 16	OCT 21	NOV 21							
133 PENTACHLOROPHENOL	R +		+	+	<W	+						50	10000
33 (CHP) ng/L	T +		+	+	<W	+						ng/L	ng/L h
134 2,3,4-TRICHLOROPHENOL	R +		+	+	<W	+						100	
134 (CHP) ng/L	T +		+	+	<W	+						ng/L	
135 2,3,4,5-TETRACHLOROPHENOL	R +		+	+	<W	+						50	
135 (CHP) ng/L	T +		+	+	<W	+						ng/L	
136 2,3,5,6-TETRACHLOROPHENOL	R +		+	+	<W	+						50	
136 (CHP) ng/L	T +		+	+	<W	+						ng/L	
137 2,4,5-TRICHLOROPHENOL	R +		+	+	<W	+						50	
137 (CHP) ng/L	T +		+	+	<W	+						ng/L	
138 2,4,6-TRICHLOROPHENOL	R +		+	+	<W	+						50	10000
138 (CHP) ng/L	T +		+	+	<W	+						ng/L	ng/L h
139 ZINC	R 0.003	1NR		0.004	0.017	0.012						0.001	5
139 (MET) mg/L	T 0.002	<W		0.004	0.003	0.003						mg/L	mg/L h

LAB - Chemistry (LAB)
FLD - Chemistry (FIELD)
BAC - Bacteriological

MET - Metal
VOL - Volatiles
PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics
CHP - Chlorophenols
SPC - Specific Pesticides

Table A - Comment

Ontario Drinking Water Objectives (ODWO)

The primary purpose of drinking water objectives is the protection of the health of the public consuming the water. Aesthetic considerations may also provide a basis for drinking water objectives, since the water should be pleasant to drink. The control of such aspects of water quality as hardness, corrosiveness, etc. is also important. The limits set are considered to outline the minimum requirements necessary to fulfill the above objectives, and may be either health related or related to aesthetic and other considerations.

Because this survey covered such a large number of parameters, many of them did not have an ODWO. In order to be able to compare data results to health guidelines, it was necessary to refer to objectives and guidelines from other jurisdictions.

Table A - Footnotes

A3C = approximate result; exceeds 300 colonies
AW = analysis withdrawn
c = California State Department of Health Action Level
CS = contamination suspected
d = OWDO for DDT (contains other isomers such as OPDDT and PPDDT)
e = USEPA ambient guideline
ea = United States Environmental Protection Agency (USEPA) ambient level for endosulfan (contains other isomers)
ep = USEPA proposed maximum contaminant level for drinking water
g = suggested Health and Welfare Canada/Ontario Ministry of the Environment guideline value
h = World Health Organization (WHO) guideline
h* = World Health Organization (WHO) Odour Threshold
IS = no data: insufficient sample provided for this analysis
LA = lab accident
mg/L = milligrams per litre, parts per million, (ppm)
NA = not applicable to this type of sample
ng/L = nanograms per litre, parts per trillion, (ppt)

Table A - Footnotes (continued)

NR = not requested
NS = not sampled
OP = obscured plate
Presence/Absence = microbiological test to indicate presence or absence of coliform bacteria
R = raw water
T = Treated Drinking Water
<T = below the usual reporting limit of 10 times analytical detection, and is provided for information only
t = ODWO Interim maximum acceptable concentration
ug/L = micrograms per litre, parts per billion, (ppb)
UPR = no data; no preserved sample provided for this test
UR = no data; no unpreserved sample provided for this test
<W = less than lowest detectable concentration
y = New York State (Taste and Odour) proposed drinking water guideline
l = ODWO unless noted
> = greater than
< = less than
!NR = sample not received at laboratory
!AD = no data; anomalous data withdrawn
!72 = no data; sample age exceeds 72 hours
+ = no data; seasonal analysis
++ = total Trihalomethanes
+++ = combined total: Heptachlor and Heptachlor Epoxide
* = total Kjeldahl Nitrogen minus Ammonia Nitrogen
** = total of Aldrin and Dieldrin
*** = Chlordane is a mixture of alpha and gamma isomers

TABLE B: PERCHLOROETHYLENE DRINKING WATER PROGRAM

PERCHLOROETHYLENE, ppb

<u>Facility</u>	<u>Date</u>	<u>Raw</u>	<u>Treated</u>	<u>Remarks</u>
Stag Island (approx. 5 km down- stream of Dow Chem.)	Aug. 30	ND	ND	grab samples
	Aug. 31	ND	ND	grab samples
	Sept. 1	ND	ND	grab samples
	Sept. 3	ND	ND	
Walpole Island	Aug. 29	7	-	
	Aug. 30	2	2	grab samples
	Aug. 31	2	4	grab samples
	Sept. 1	2	3	composite (2 grabs)
	Sept. 2	2	2	grab samples
	Sept. 3	2	2	
	Sept. 4	1.4	1.9	
	Sept. 4	.587	.891	Dow's samples
	Sept. 5	1.3	1.4	
	Sept. 6	2	2	
	Sept. 7	1.4	2	
		2	2	
	Sept. 8	-	-	
	Sept. 9	1.4	2	
	Sept. 17	1.0	1.0	
	Nov. 6	ND	ND	DWSP samples
	Nov. 14	ND	ND	2/day grab samples
	Nov. 15	ND	ND	2/day grab samples
	Nov. 15	ND	ND	DWSP samples
	Nov. 16	ND	ND	2/day grab samples
	Nov. 17	ND	ND	2/day grab samples
	Nov. 18	ND	ND	2/day grab samples
	Nov. 19	ND	ND	2/day grab samples
	Nov. 20	ND	ND	2/day grab samples
	Nov. 21	ND	ND	2/day grab samples
	Nov. 22	ND	ND	2/day grab samples
	Nov. 23	ND	ND	2/day grab samples
	Nov. 24	ND	ND	2/day grab samples
	Nov. 25	ND	ND	2/day grab samples
	Nov. 25	ND	ND	DWSP samples
	Nov. 26	ND	ND	2/day grab samples
	Nov. 27	ND	ND	2/day grab samples
	Nov. 28	ND	ND	2/day grab samples
	Nov. 29	ND	ND	2/day grab samples
	Nov. 30	ND	ND	2/day grab samples
	Dec. 1	ND	ND	2/day grab samples
	Dec. 2	ND	ND	2/day grab samples

PERCHLOROETHYLENE, ppb - Cont'd.

<u>Facility</u>	<u>Date</u>	<u>Raw</u>	<u>Treated</u>	<u>Remarks</u>
Wallaceburg	June 5	ND	ND	DWSP samples
	July 3	ND	ND	DWSP samples
	Aug. 29	7	-	
	Aug. 30	2	3	grab samples
	Aug. 31	3	4	composite (3 grabs)
	Sept. 1	3	4	grab samples
	Sept. 2	3	3	grab samples
	Sept. 3	2	2	
	Sept. 4	2	2	
	Sept. 4	.904	.922	Dow's samples
	Sept. 5	2	2	
	Sept. 6	3	2	
	Sept. 7	1.2	2	
		2	2	
	Sept. 8	2	3	
	Sept. 9	1.0	1.4	
	Sept. 17	1.0	1.0	
	Oct. 7	ND	ND	DWSP sample
	Nov. 5	ND	ND	DWSP samples
	Nov. 14	ND	ND	2/day grab samples
	Nov. 15	ND	ND	2/day grab samples
	Nov. 15	ND	ND	DWSP samples
	Nov. 16	ND	ND	2/day grab samples
	Nov. 17	ND	ND	2/day grab samples
	Nov. 18	ND	ND	2/day grab samples
	Nov. 19	ND	ND	2/day grab samples
	Nov. 20	ND	ND	2/day grab samples
	Nov. 21	ND	ND	2/day grab samples
	Nov. 22	ND	ND	2/day grab samples
	Nov. 23	ND	ND	2/day grab samples
	Nov. 24	ND	ND	2/day grab samples
	Nov. 25	ND	ND	2/day grab samples
	Nov. 26	ND	ND	2/day grab samples
	Nov. 26	ND	+	DWSP samples
	Nov. 27	ND	ND	2/day grab samples
	Nov. 28	ND	ND	2/day grab samples
	Nov. 29	ND	ND	2/day grab samples
	Nov. 30	ND	ND	2/day grab samples
	Dec. 1	ND	ND	2/day grab samples
	Dec. 2	ND	ND	2/day grab samples
Mitchell's Bay	May 23	ND	ND	DWSP samples
	June 18	ND	ND	DWSP samples
	July 22	ND	ND	DWSP samples
	Aug. 30	ND	ND	grab samples
	Aug. 31	ND	ND	grab samples
	Sept. 3	ND	ND	
	Sept. 4	ND	ND	

PERCHLOROETHYLENE, ppb - Cont'd.

<u>Facility</u>	<u>Date</u>	<u>Raw</u>	<u>Treated</u>	<u>Remarks</u>
Tilbury North	Sept. 2	ND	ND	grab samples
	Sept. 3	ND	ND	
Belle River	Sept. 2	ND	ND	grab samples
	Sept. 3	ND	ND	
Windsor	July 15	ND	ND	DWSP samples
	Aug. 30	3	3	grab samples
	Aug. 31	2	2	grab samples
	Sept. 1	ND	ND	grab samples
	Sept. 2	ND	ND	grab samples
	Sept. 3	ND	ND	grab samples
Amherstburg	May 23	ND	ND	DWSP samples
	Aug. 30	3	3	grab samples
	Aug. 31	2	2	grab samples
	Sept. 1	ND	ND	grab samples
	Sept. 2	ND	ND	grab samples
	Sept. 3	ND	ND	grab samples
	Sept. 4	ND	ND	grab samples

NOTE: Analysis for perchloroethylene continued past the date shown, as part of the Drinking Water Surveillance Program. It will continue to be monitored as one of the DWSP routine parameters.

TABLE C: DIOXIN DRINKING WATER SURVEY - RESULTS

LOCATION	SAMPLE	DATE	Chlorinated Dibenzop-dioxins(ppq)						Chlorinated Dibenzofurans(ppq)				
			2,3,7,8- T4CDD	T4CDD	P5CDD	H6CDD	H7CDD	O8CDD	T4CDF	P5CDF	H6CDF	H7CDF	O8CDF
Lambton Area (Sarnia)	Raw	06/17/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Treated	06/17/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Raw	11/15/85	ND	ND	ND	ND	ND	*	ND	ND	ND	ND	ND
	Treated	11/15/85	ND	ND	ND	ND	ND	*	ND	ND	ND	ND	ND
Wallaceburg	Raw	06/24/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Treated	06/24/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Raw	11/15/85	ND	ND	ND	ND	ND	*	ND	ND	ND	ND	ND
	Treated	11/15/85	ND	ND	ND	ND	ND	*	ND	ND	ND	ND	ND
Walpole Island	Raw	11/05/85	ND	ND	ND	ND	ND	*	ND	ND	ND	ND	ND
	Treated	11/05/85	ND	ND	ND	ND	ND	*	ND	ND	ND	ND	ND
	Raw	11/15/85	ND	ND	ND	ND	ND	*	ND	ND	ND	ND	ND
	Treated	11/15/85	ND	ND	ND	ND	ND	*	ND	ND	ND	ND	ND
Windsor	Raw	07/15/85	ND	40	ND	ND	ND	16	ND	ND	ND	ND	ND
	Treated	07/15/85	----- NO DATA -----										
	Raw	09/25/85	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND
	Treated	09/25/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Raw	10/03/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Treated	10/03/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Raw	07/02/85	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND
	Treated	07/02/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not Detected at an average detection limit of 10 ppq

* - Sample contamination, value cannot be determined

ppq - parts per quadrillion, picograms per litre, (pg/L)